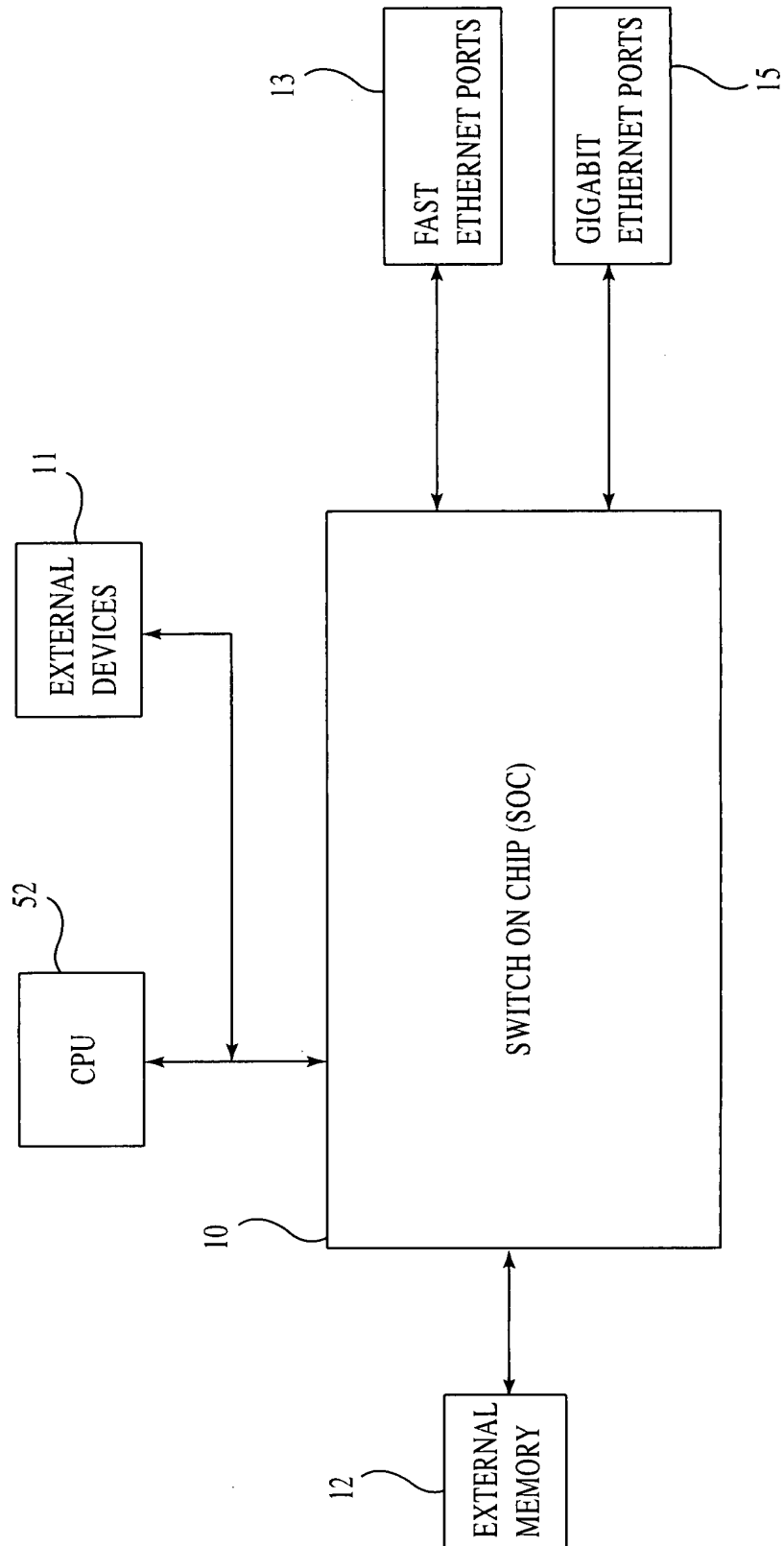




Fig.1



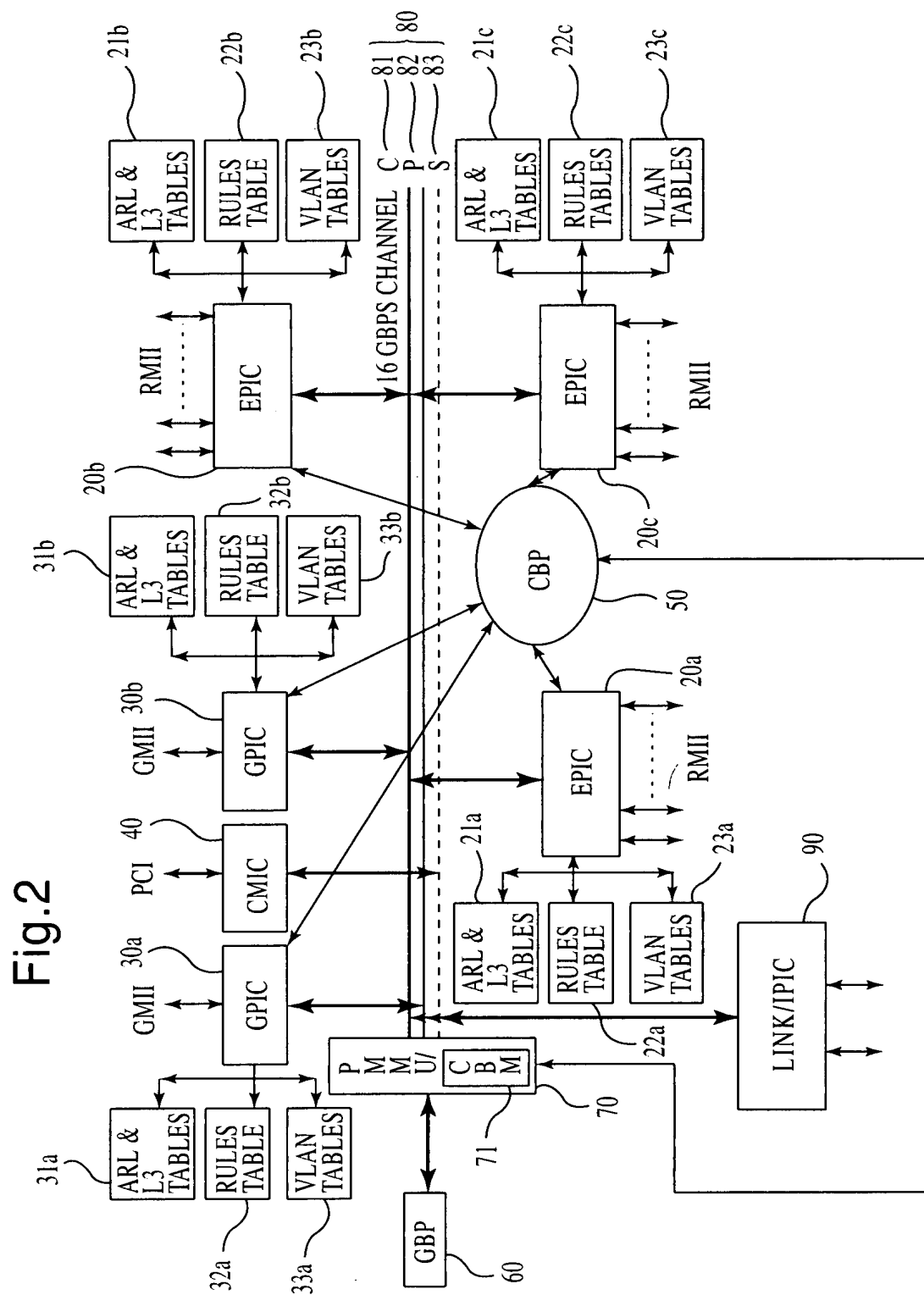
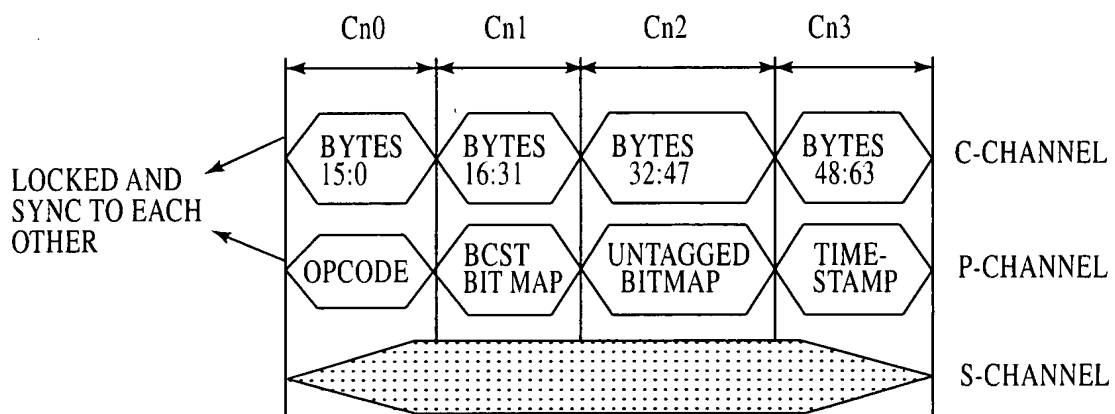




Fig.3



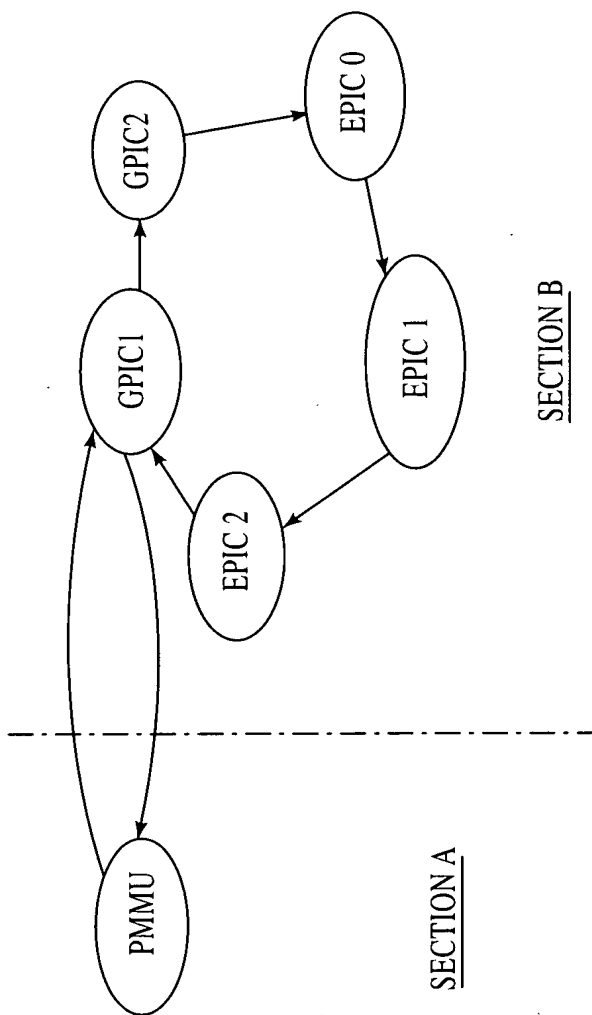


Fig.4a

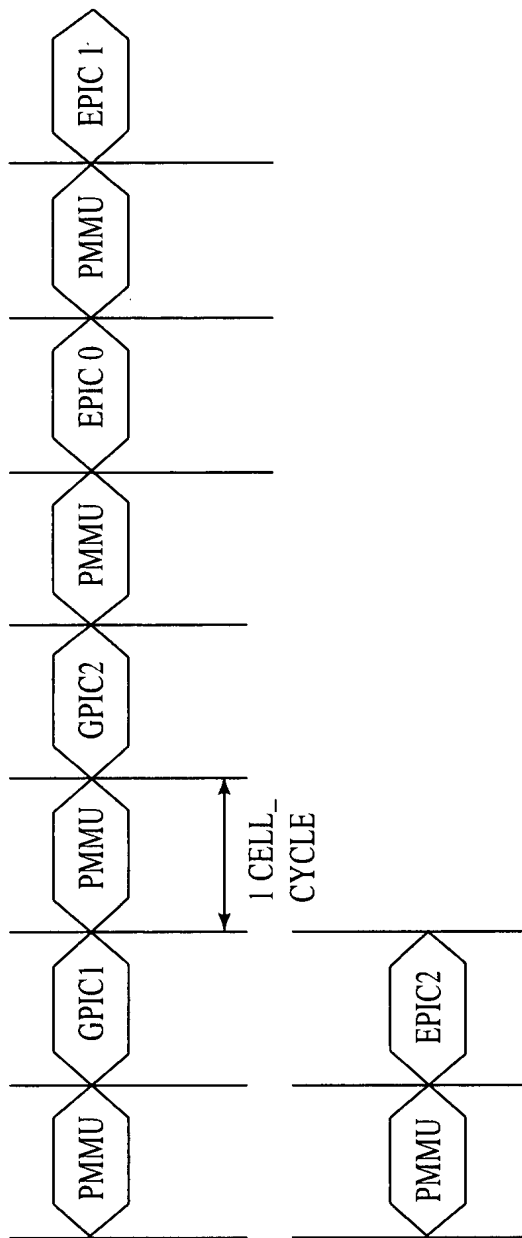


Fig.4b



Fig.5

PROTOCOL CHANNEL MESSAGES

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
OP CODE	I	RESERVED	NXT CELL	SRC DEST PORT				COS	J	S	E	CR C	P	O	LEN
	I														
	P														
	X														

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
RESERVED															
BC/MC PORTBITMAP															

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
U	RES	UNTAGGED PORTBITMAP/SRC PORT NUMBER (BIT0..5)													

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
CPU OPCODES										TIME STAMP					



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Fig.7

PRIOR ART

LAYER SEVEN- APPLICATION
LAYER SIX- PRESENTATION
LAYER FIVE- SESSION
LAYER FOUR- TRANSPORT
LAYER THREE- NETWORK
LAYER TWO- DATA LINK
LAYER ONE- PHYSICAL

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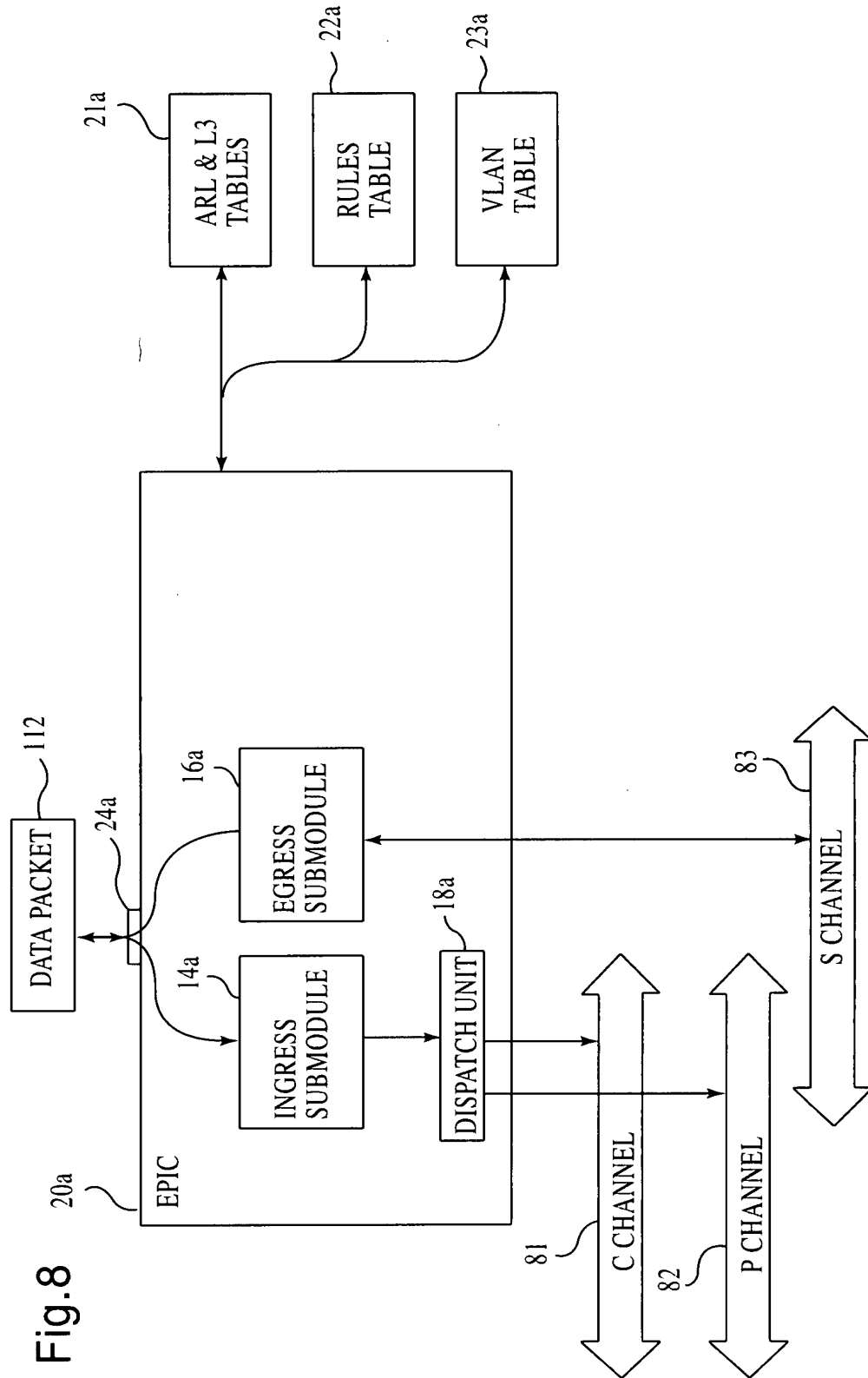
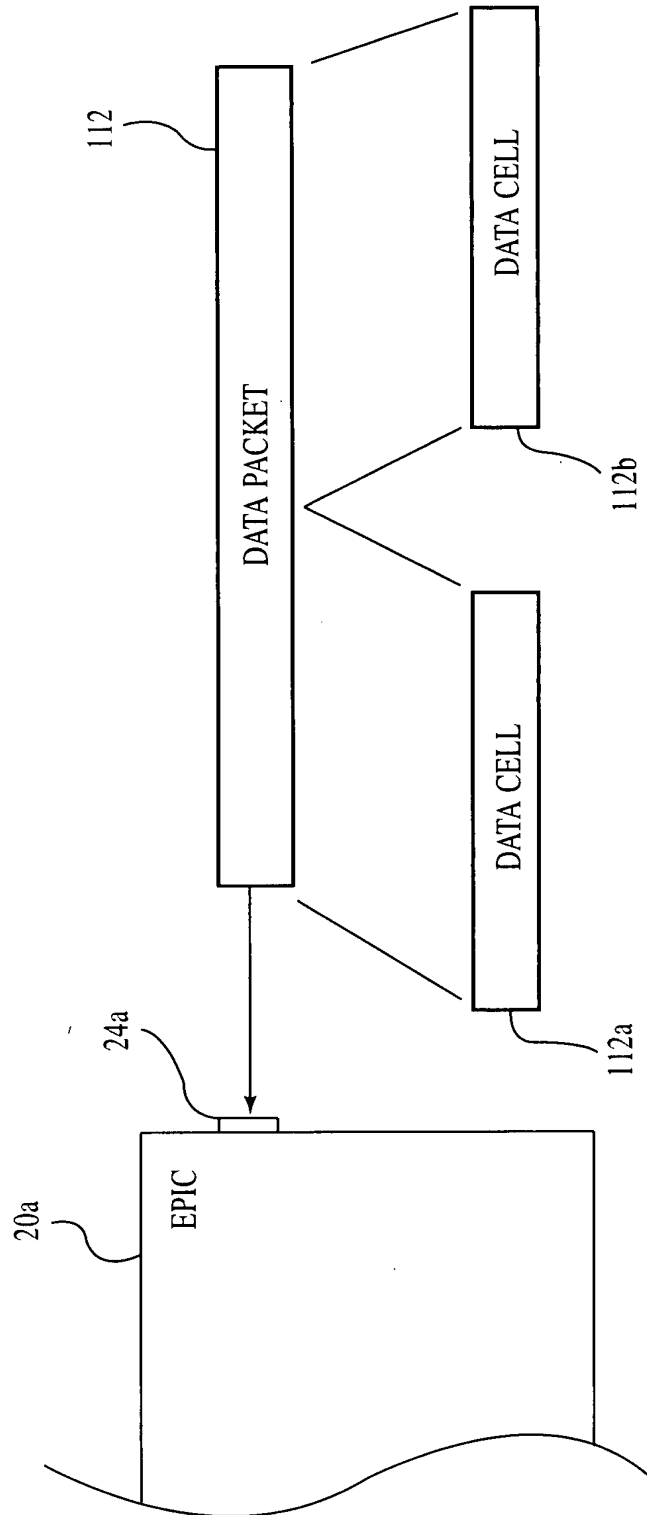


Fig. 8



Fig.9



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Fig.10

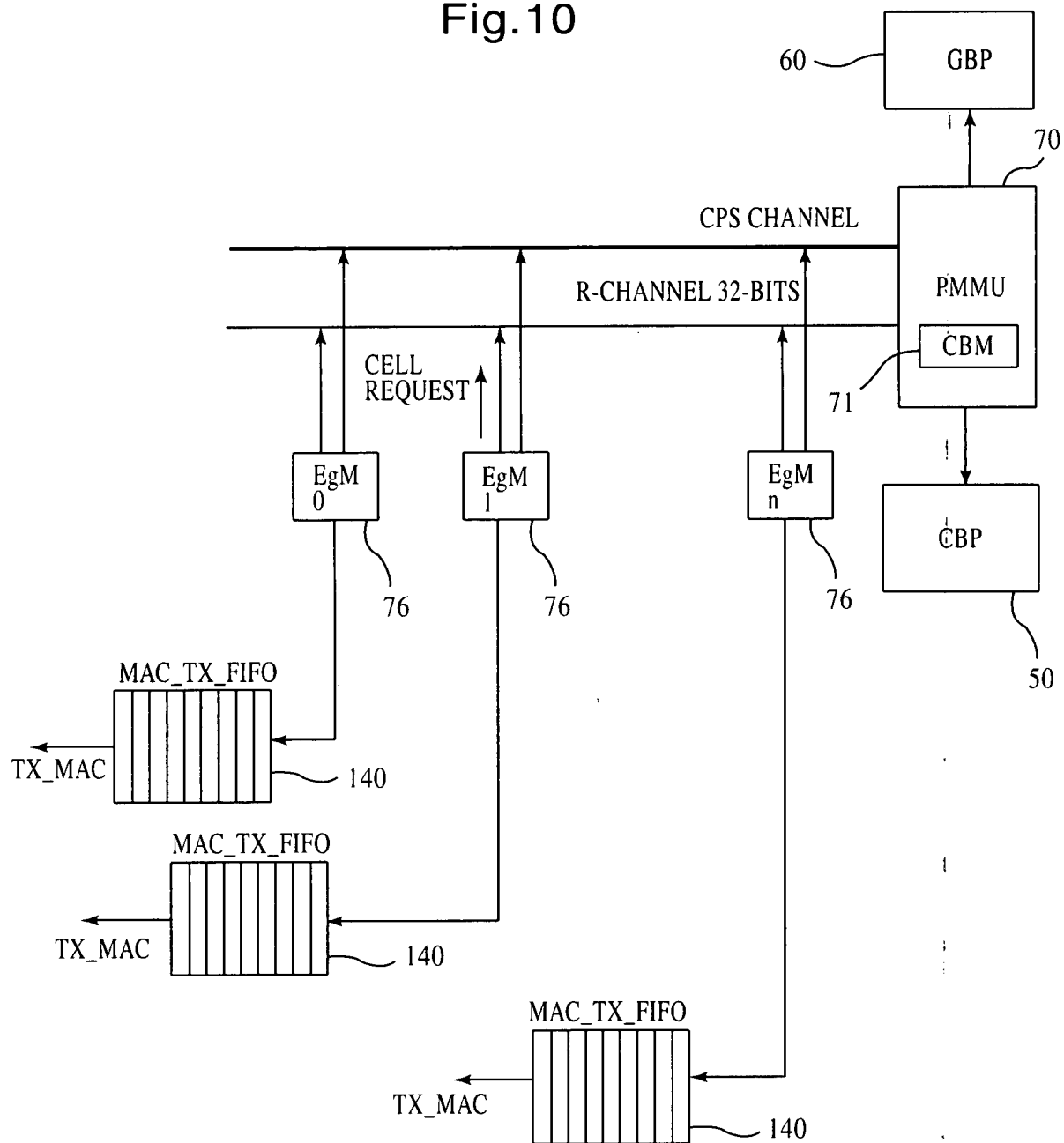




Fig.11

LINE 0 →	FC LC BC/MC Cpy_cnt (5b) Cell_length (7b) CRC (2b) NC_header (16b) Src Count (6) IPX IP Time_Stamp (14b) O bits (2b) P NextCellLen(2b) CpuOpcode(4b) Cell_data (0-9B)
LINE 1 →	Cell_data (10-27) Bytes
LINE 2 →	Cell_data (28-45) Bytes
LINE 3 →	Cell_data (46-63) Bytes

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Fig.12

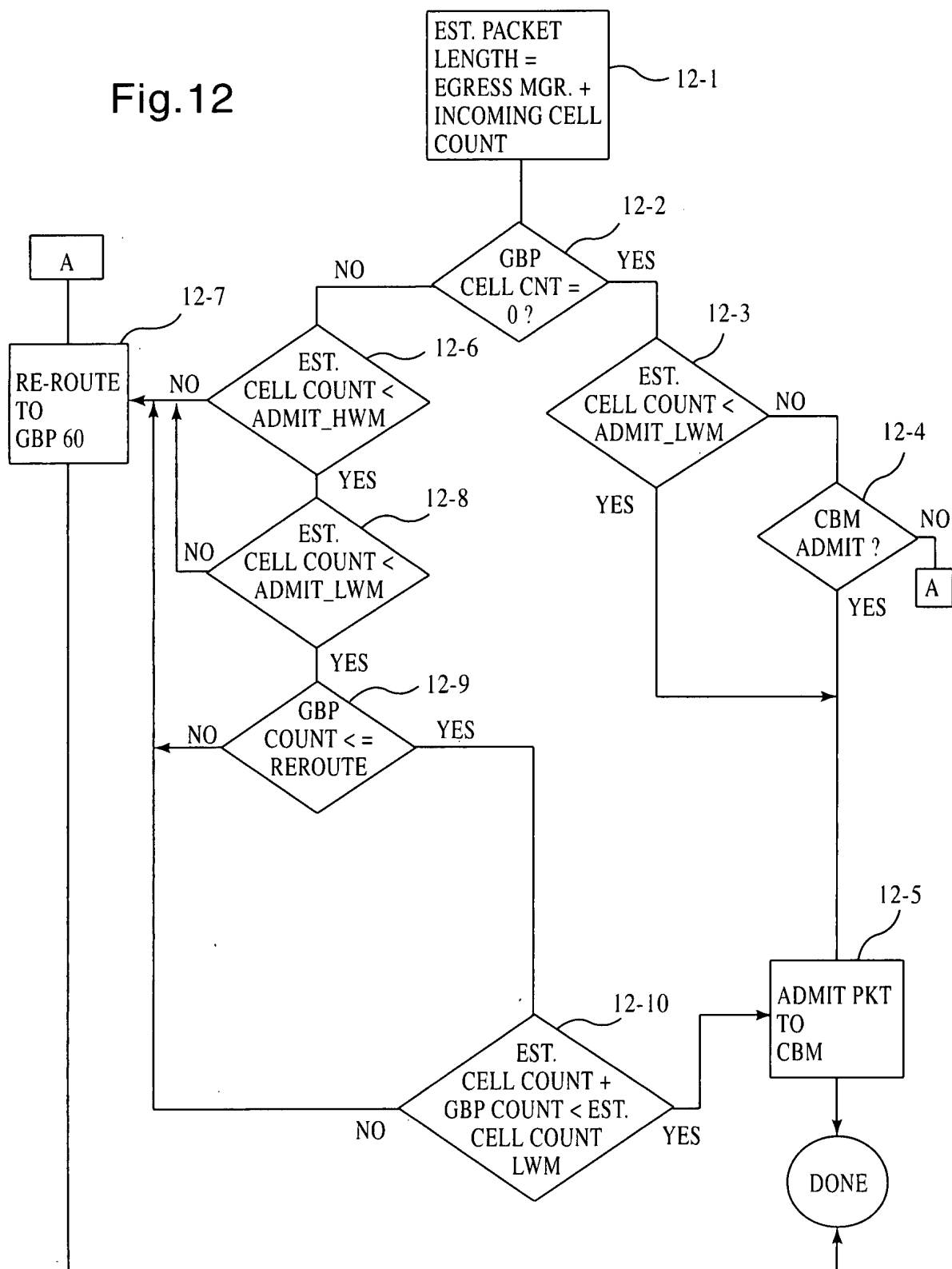
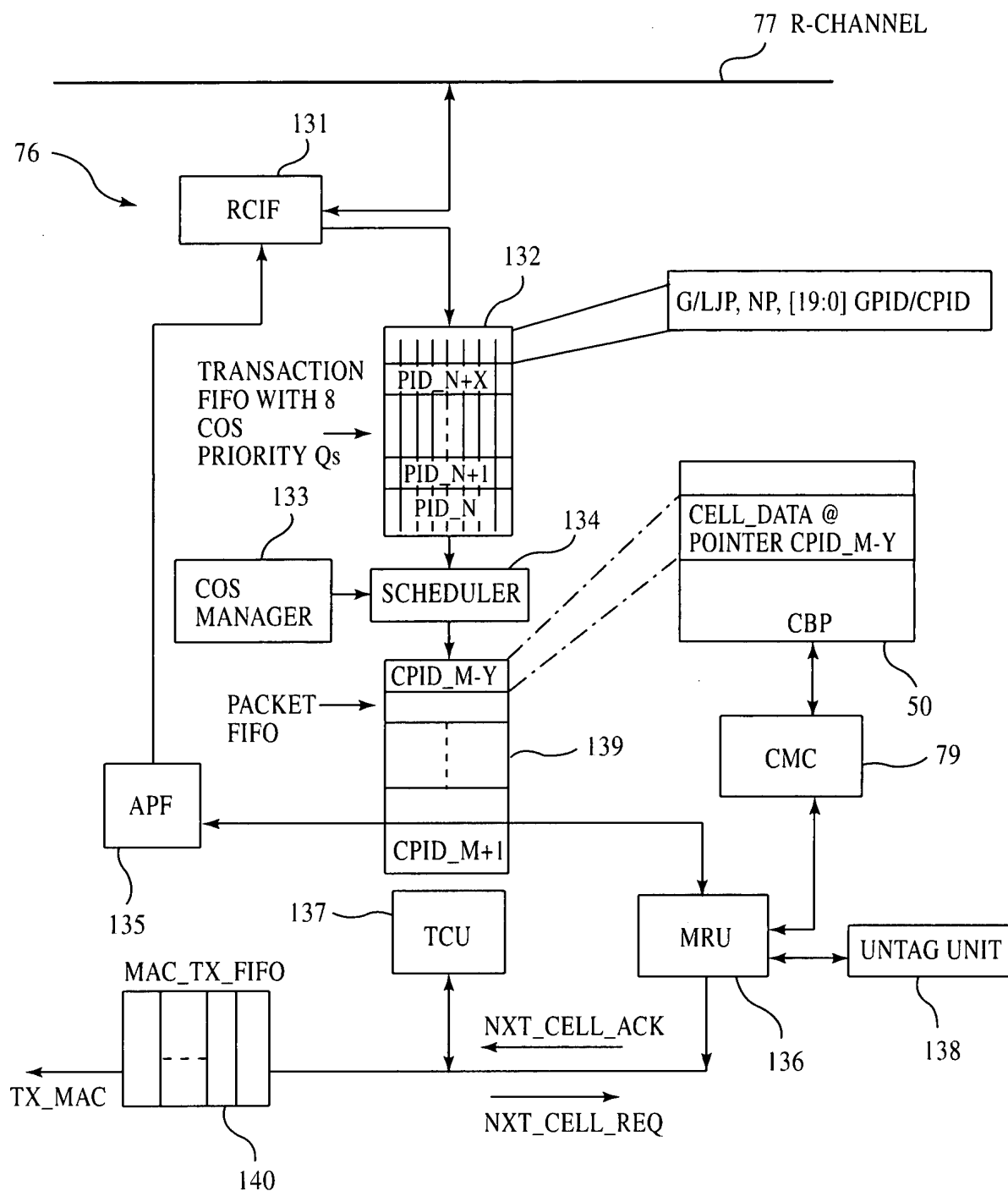


Fig.13





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Fig.14

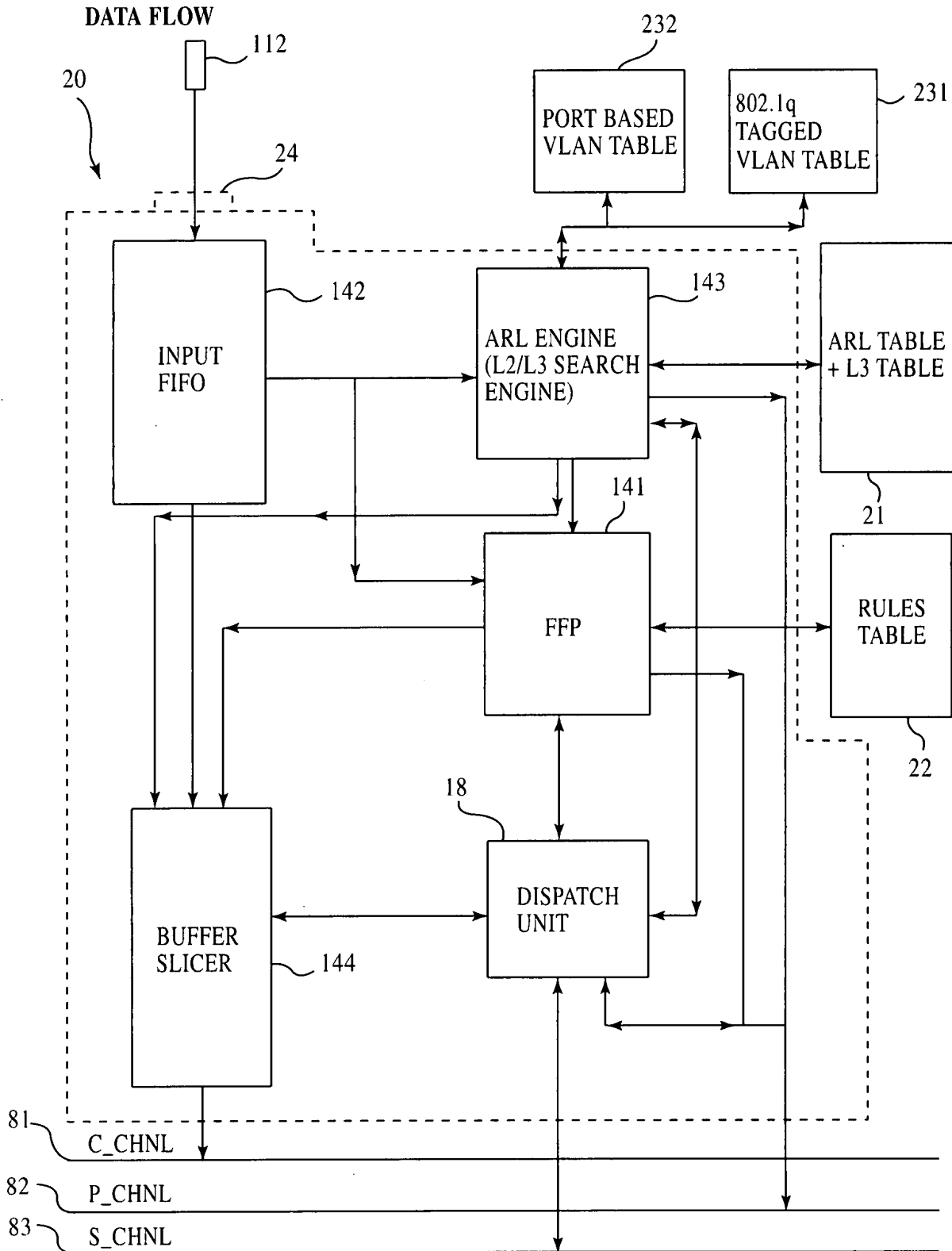
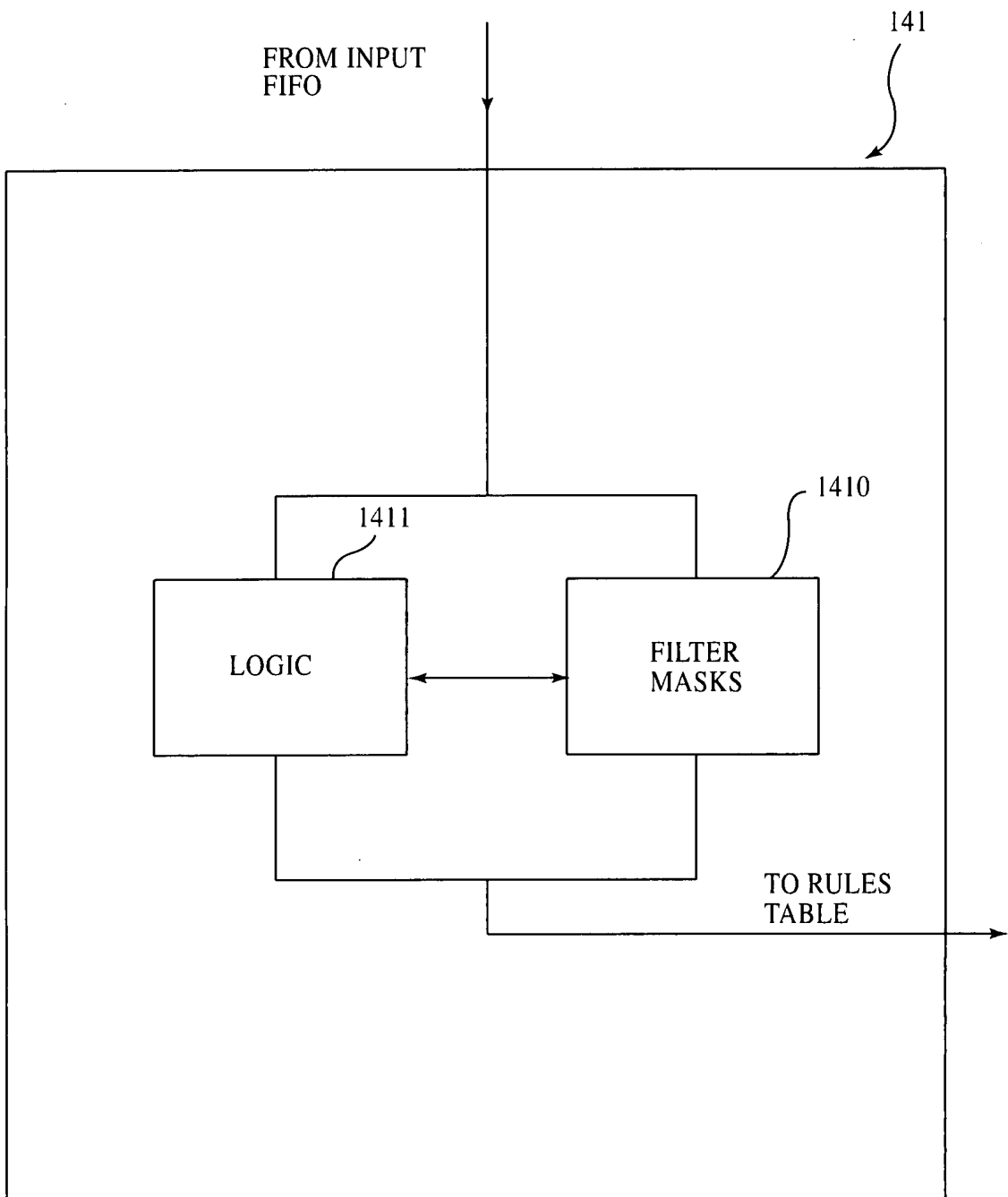


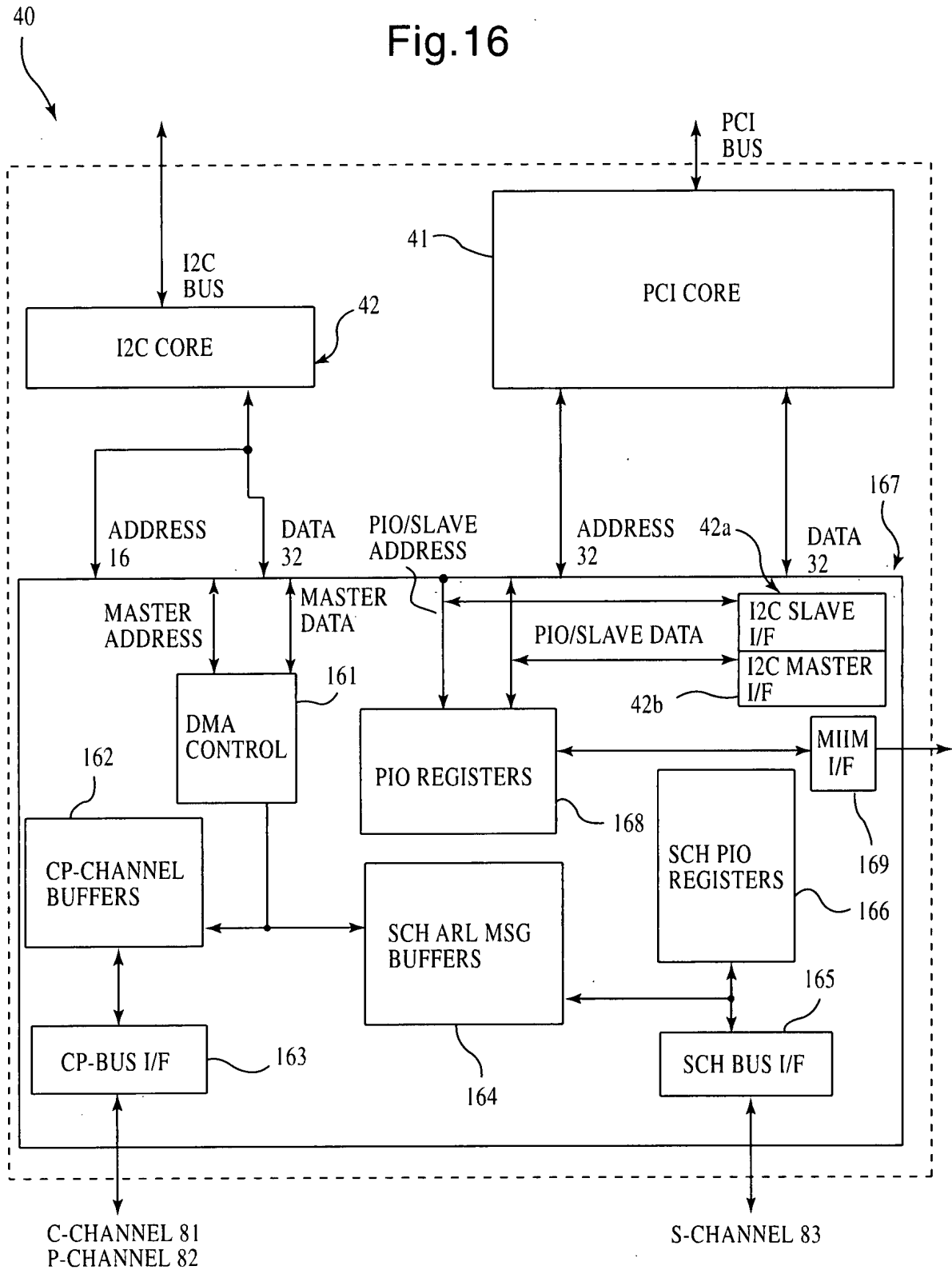


Fig.15



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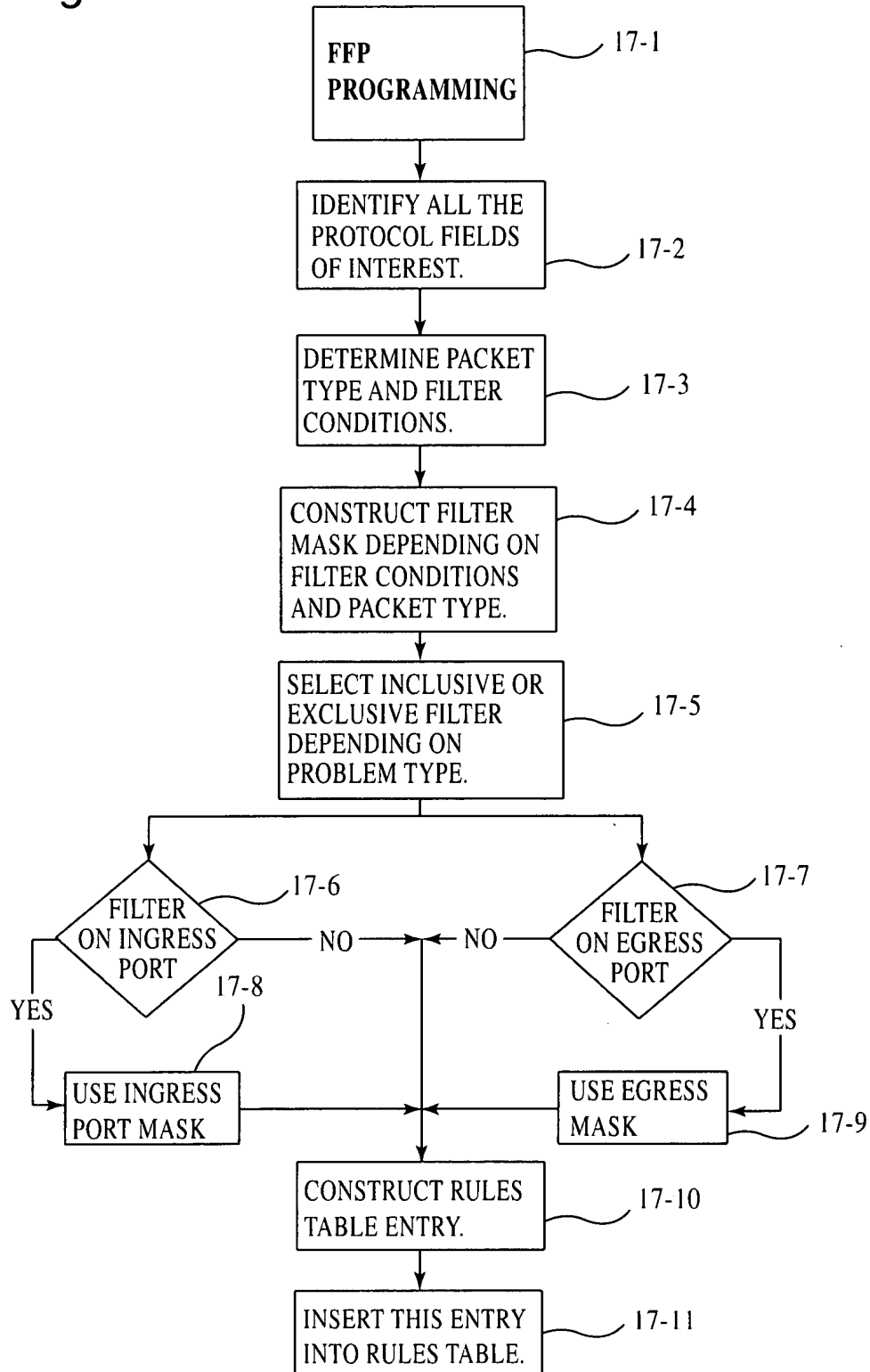
Fig.16



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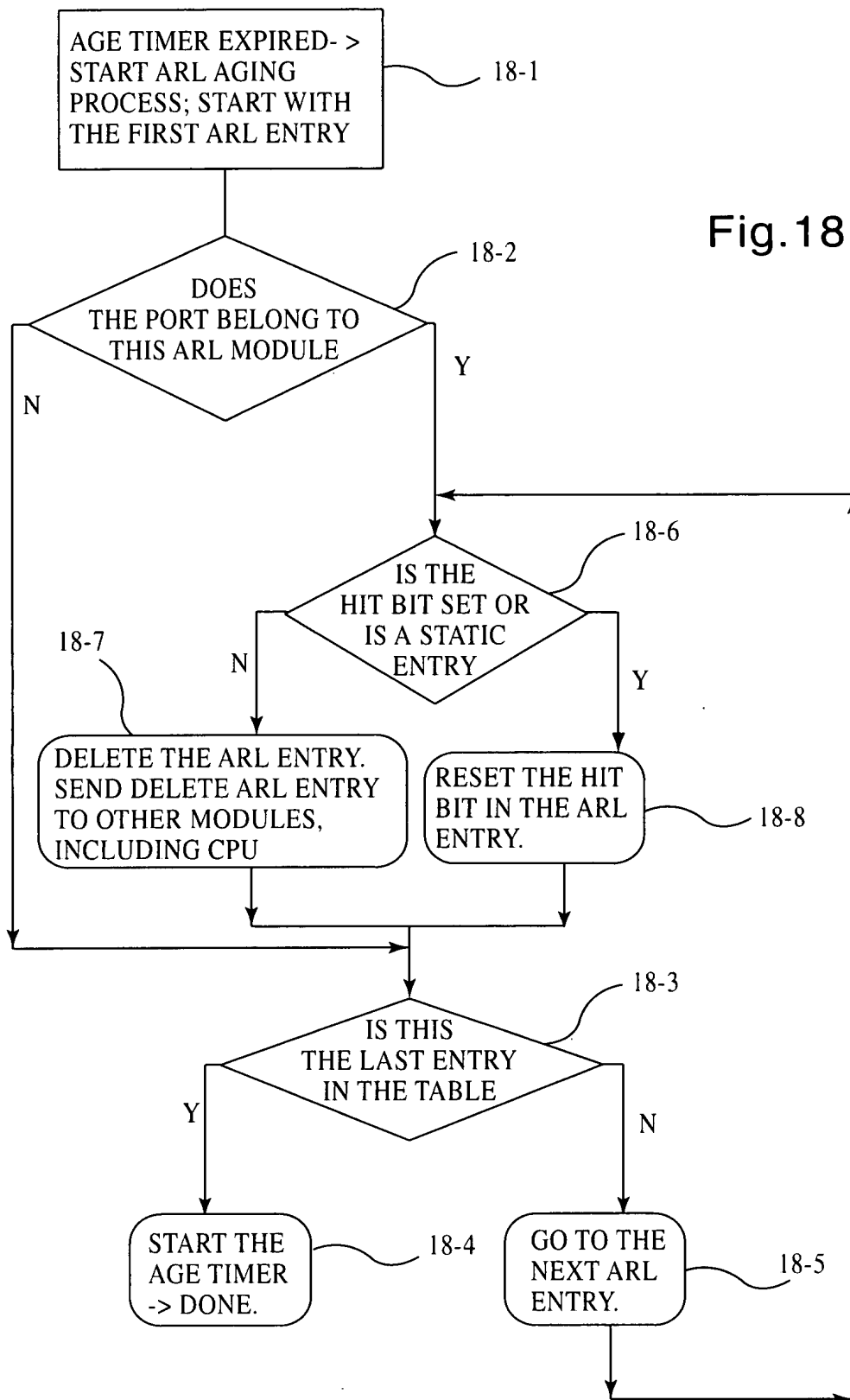
Fig.17

FFP PROGRAMMING FLOW CHART



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Fig.18





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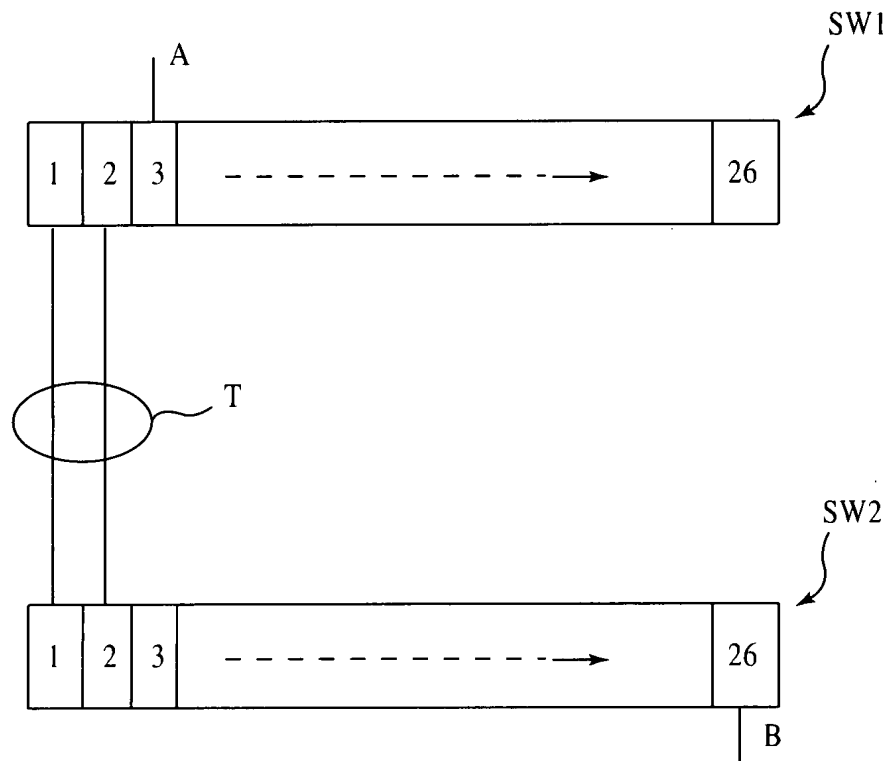


Fig.19



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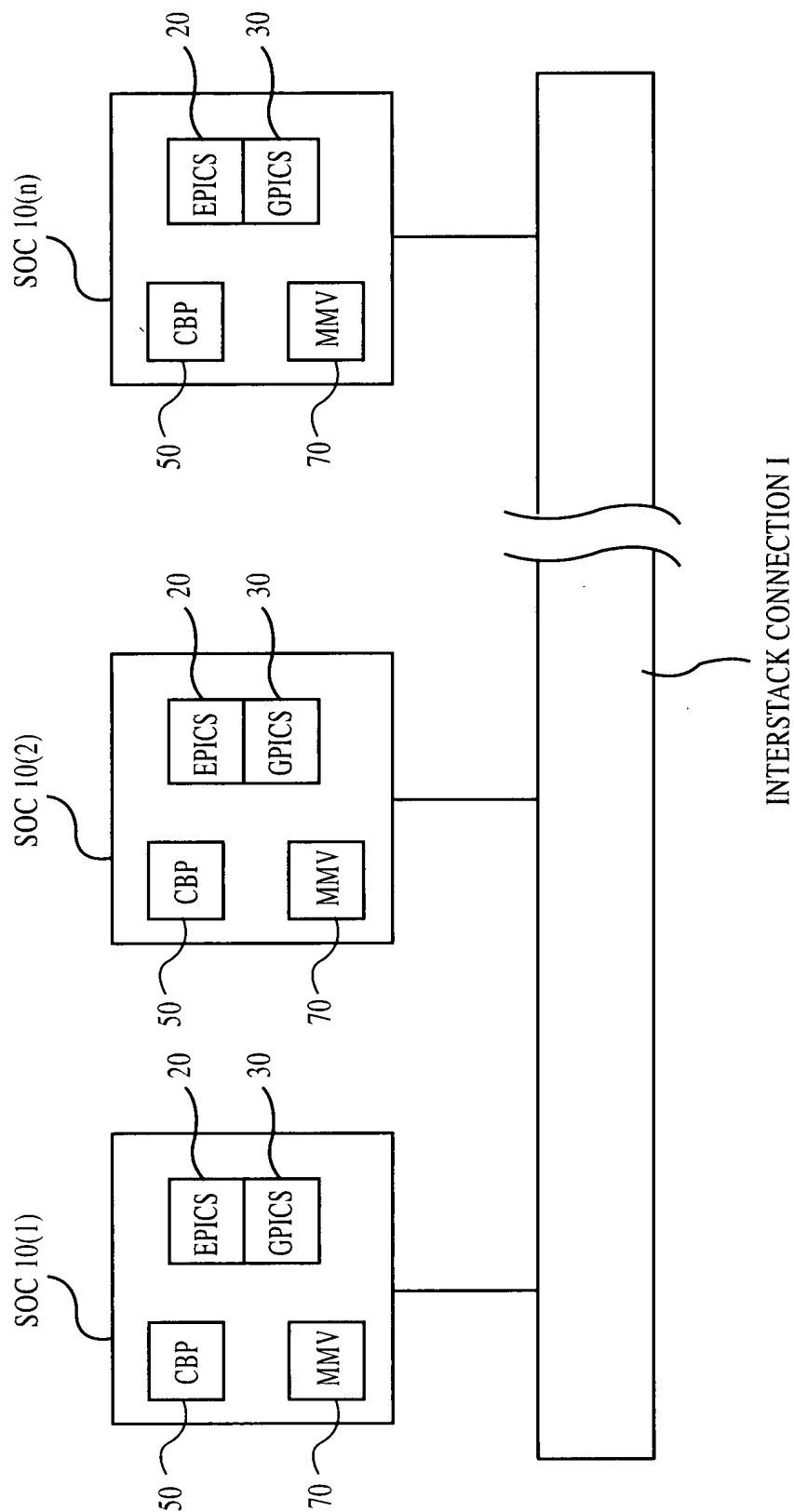


Fig.20

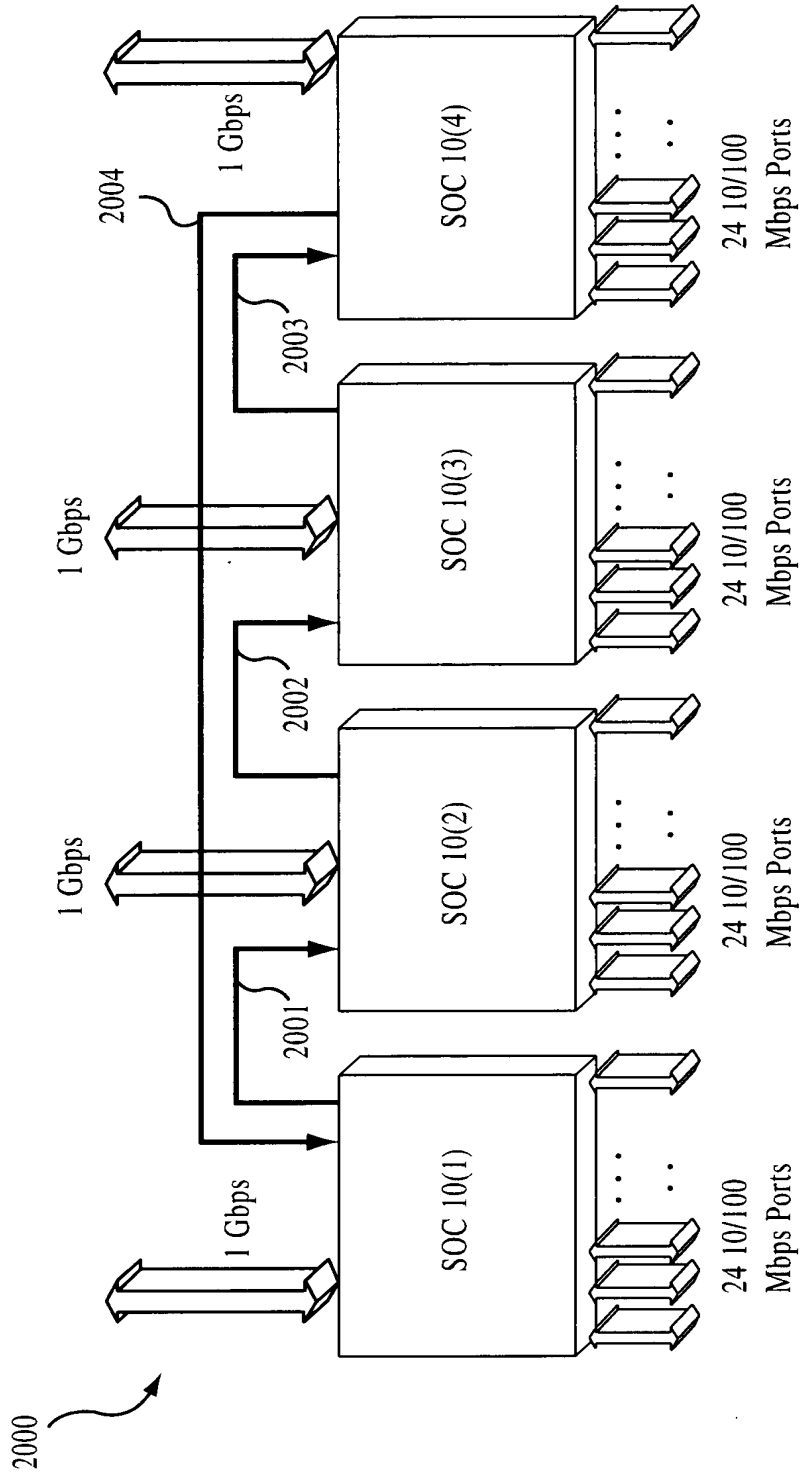


Fig.21

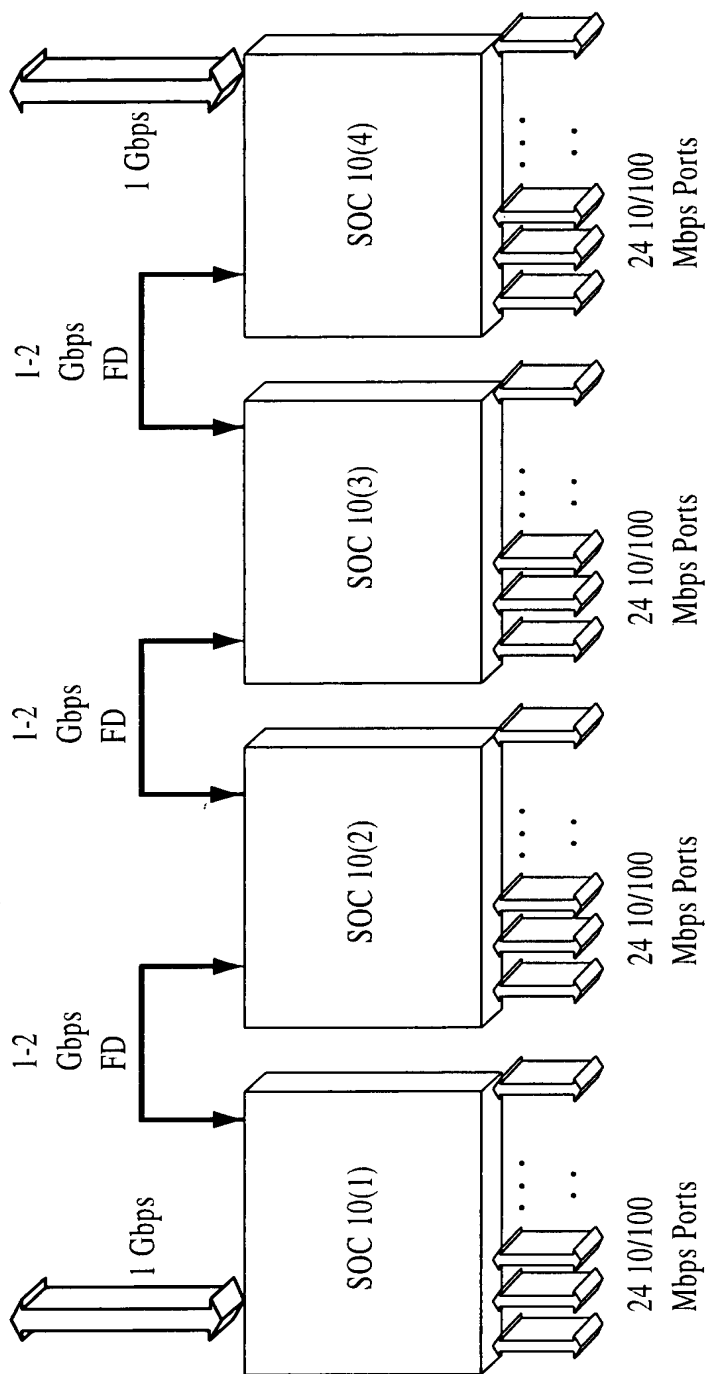


Fig.22

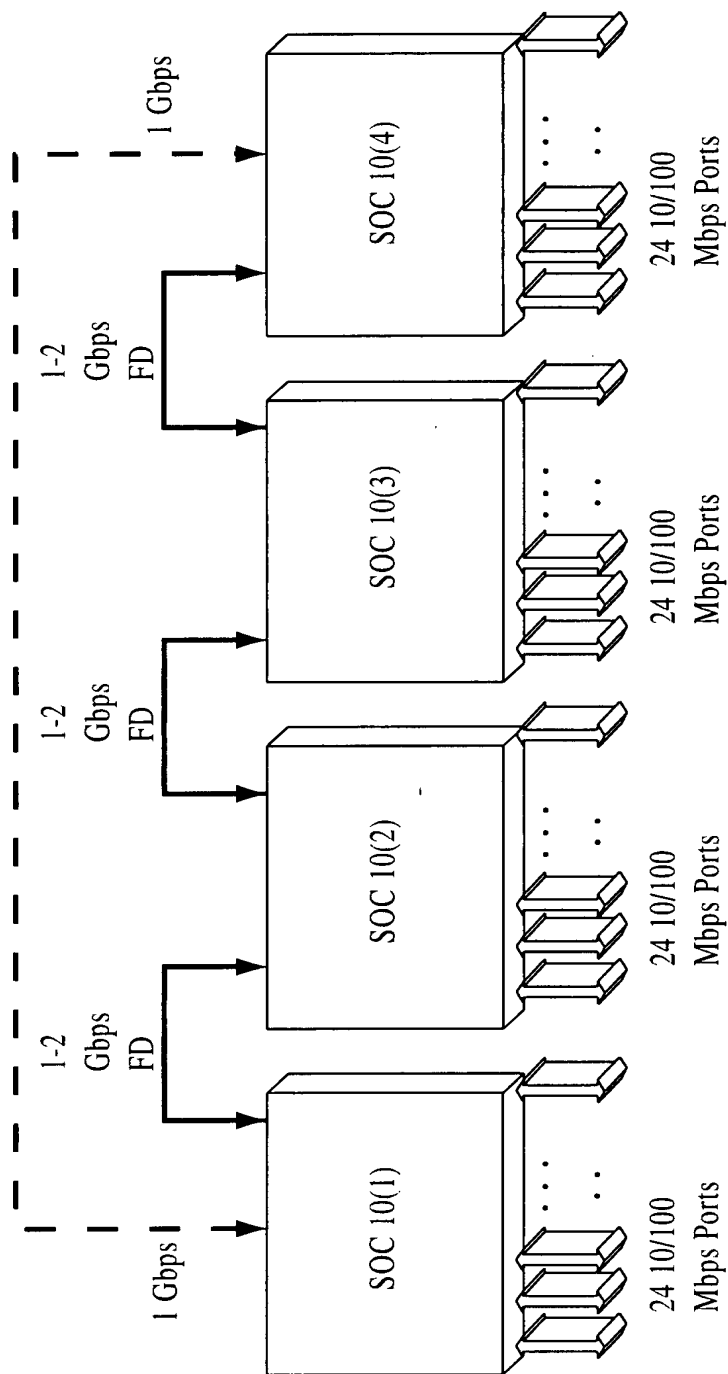


Fig.23



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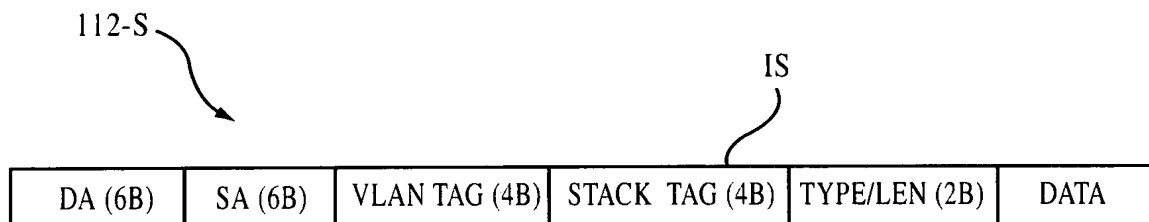


Fig.24A

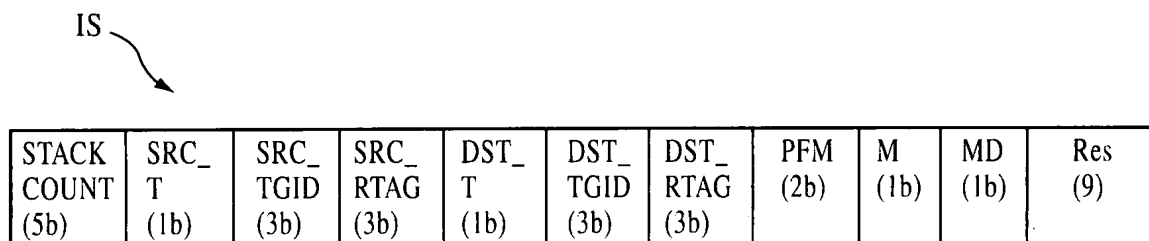


Fig.24B

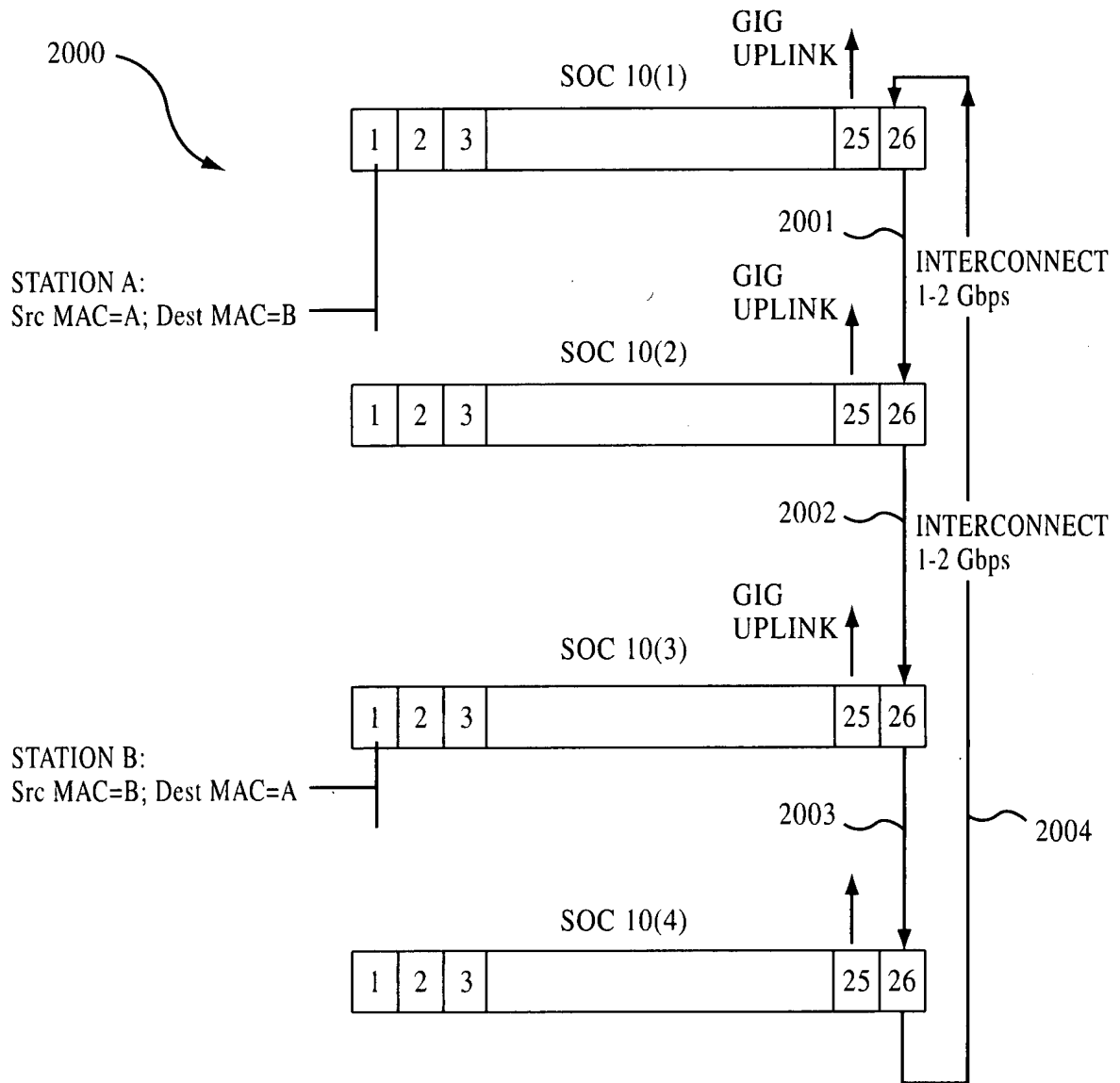


Fig.25

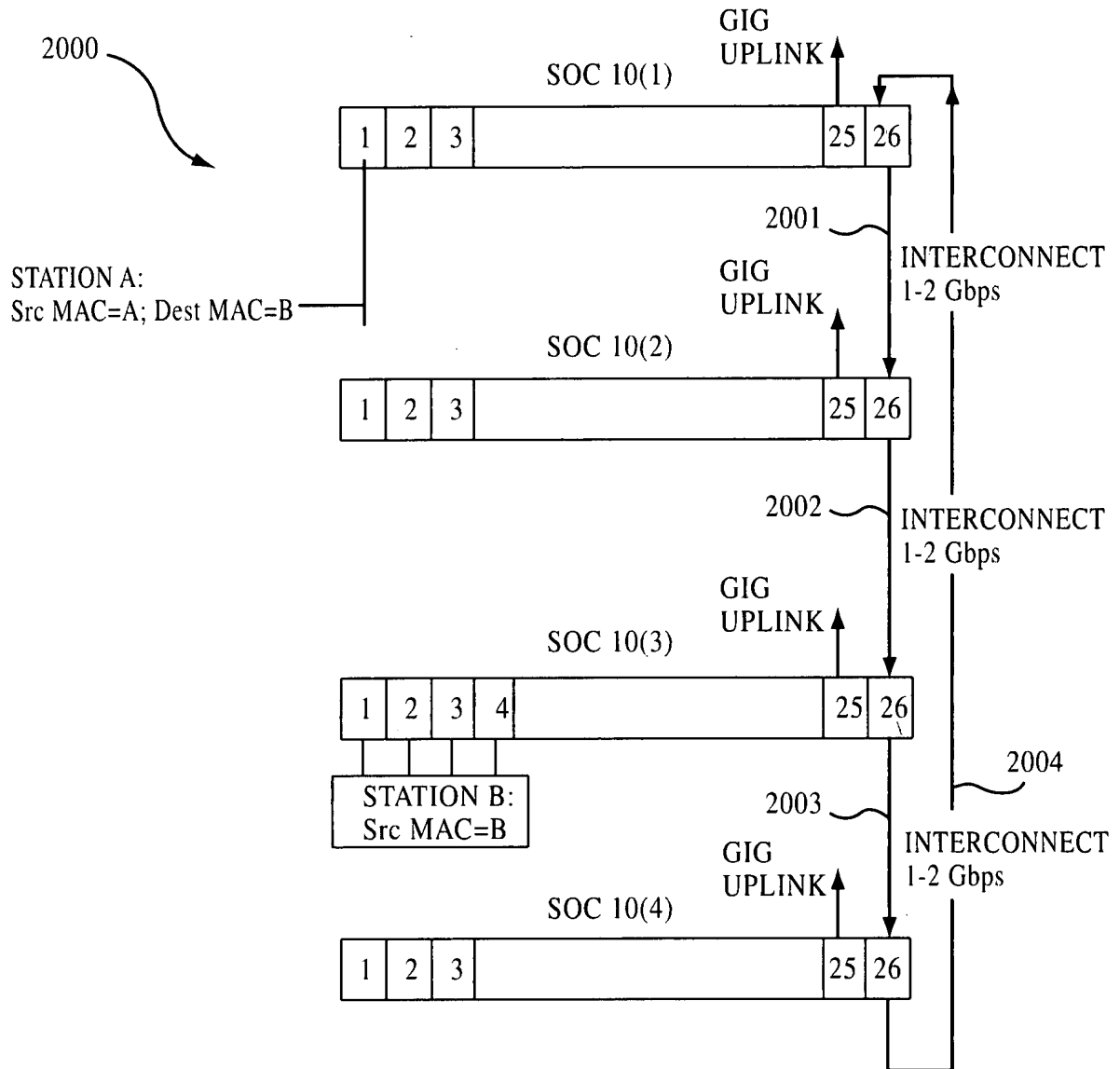


Fig.26



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Fig.27A

Port Number	Mac Address	Vlan ID	T	TGID	RTAG
1	A	1	0	X	X
26	B	1	1	2	2

Fig.27B

Port Number	Mac Address	Vlan ID	T	TGID	RTAG
26	A	1	0	X	X
26	B	1	1	2	2

Fig.27C

Port Number	Mac Address	Vlan ID	T	TGID	RTAG
26	A	1	0	X	X
1	B	1	1	2	2

Fig.27D

Port Number	Mac Address	Vlan ID	T	TGID	RTAG
26	A	1	0	X	X
26	B	1	1	2	2



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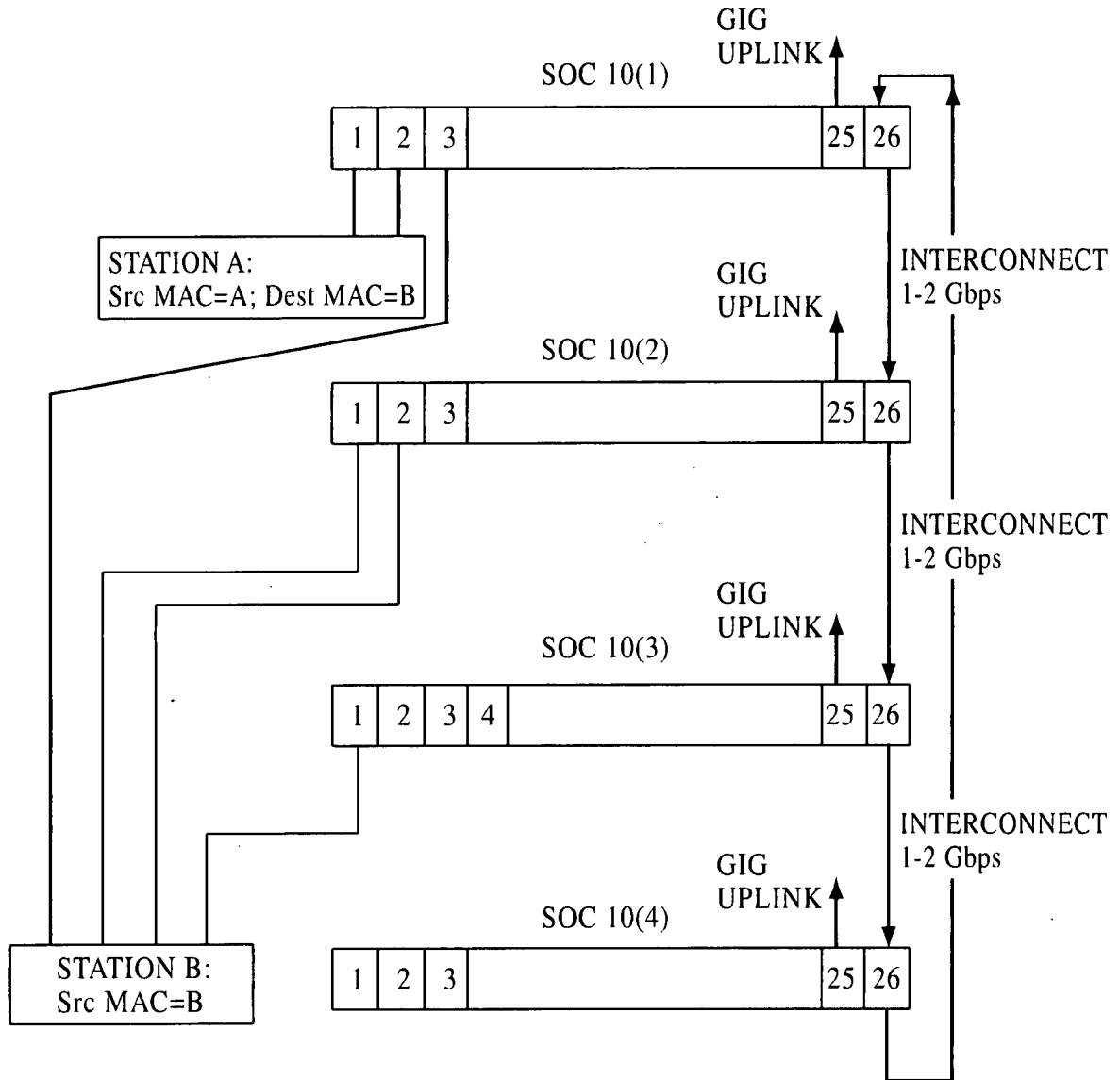
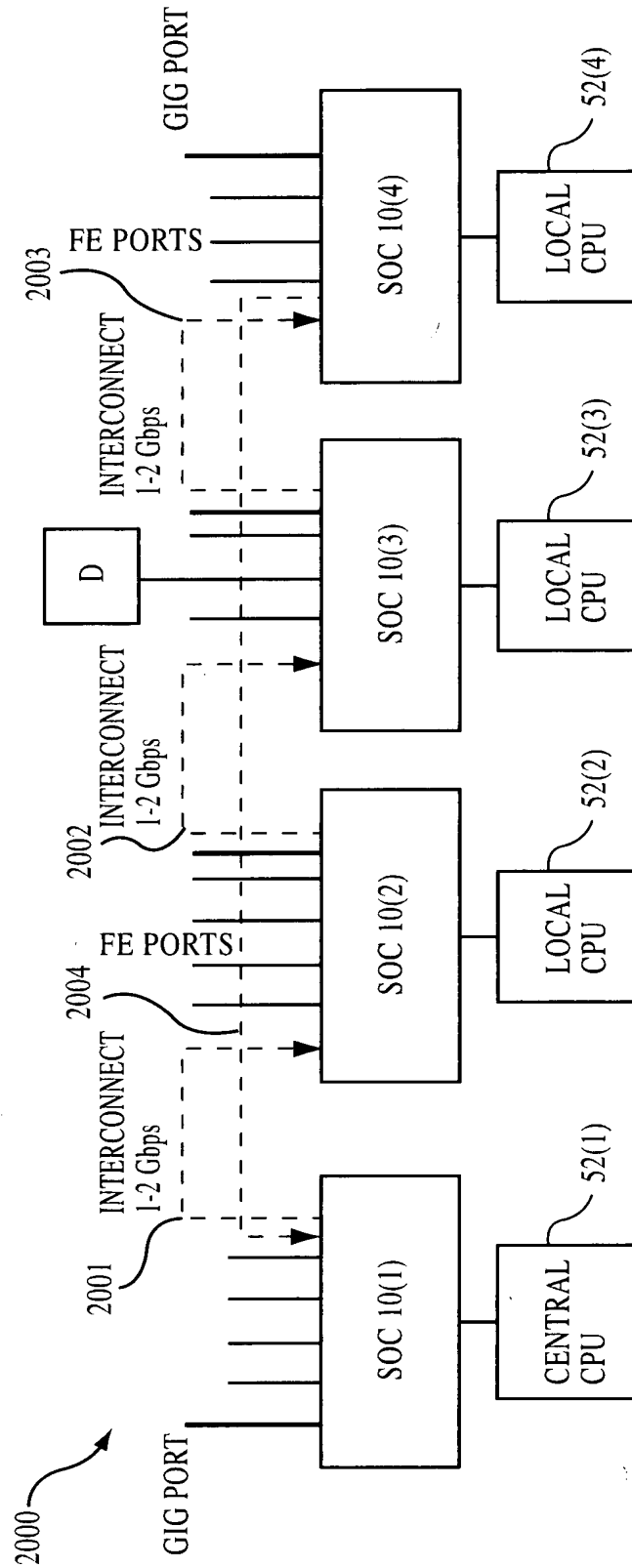


Fig.28

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Fig.29





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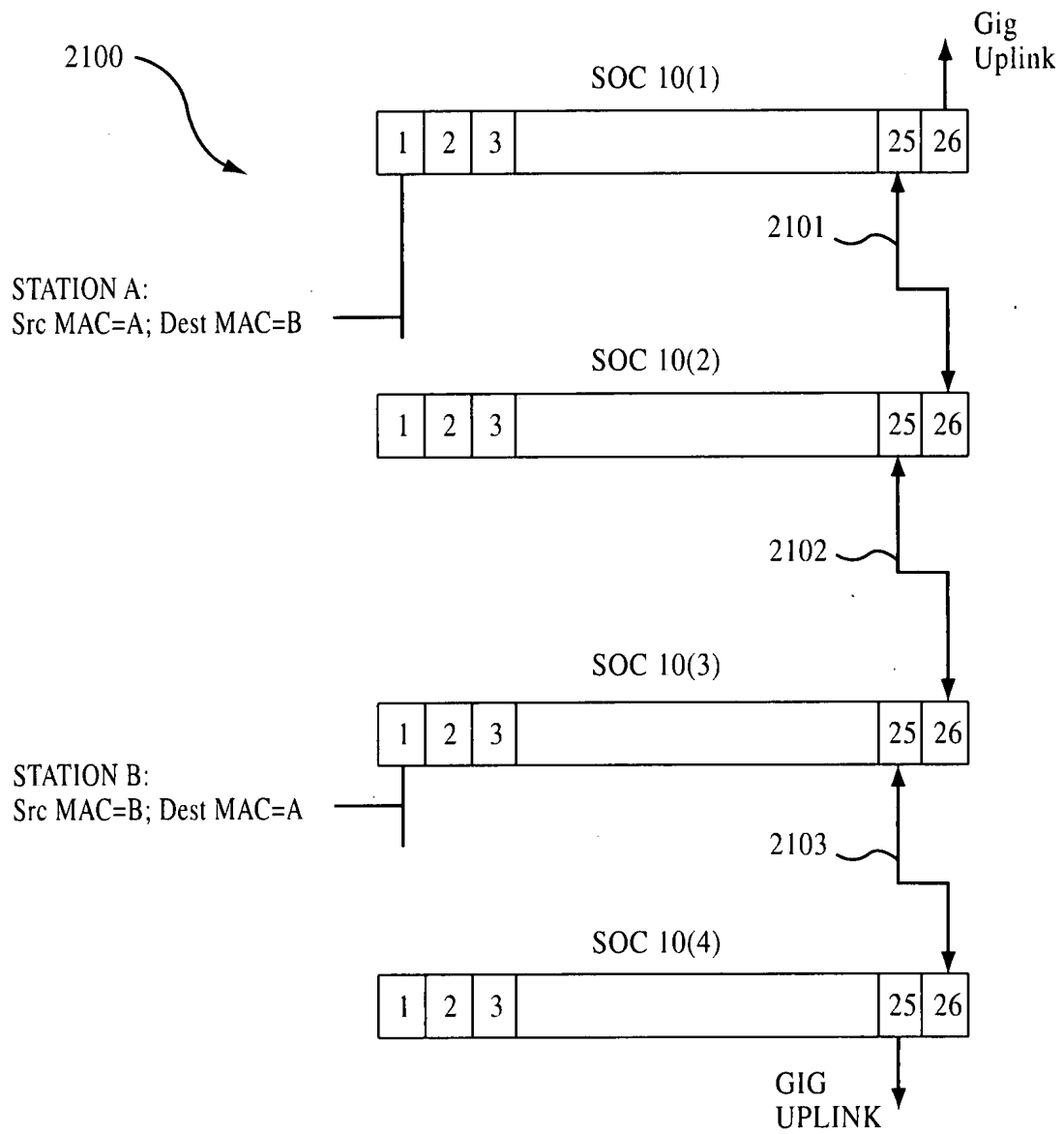


Fig.30



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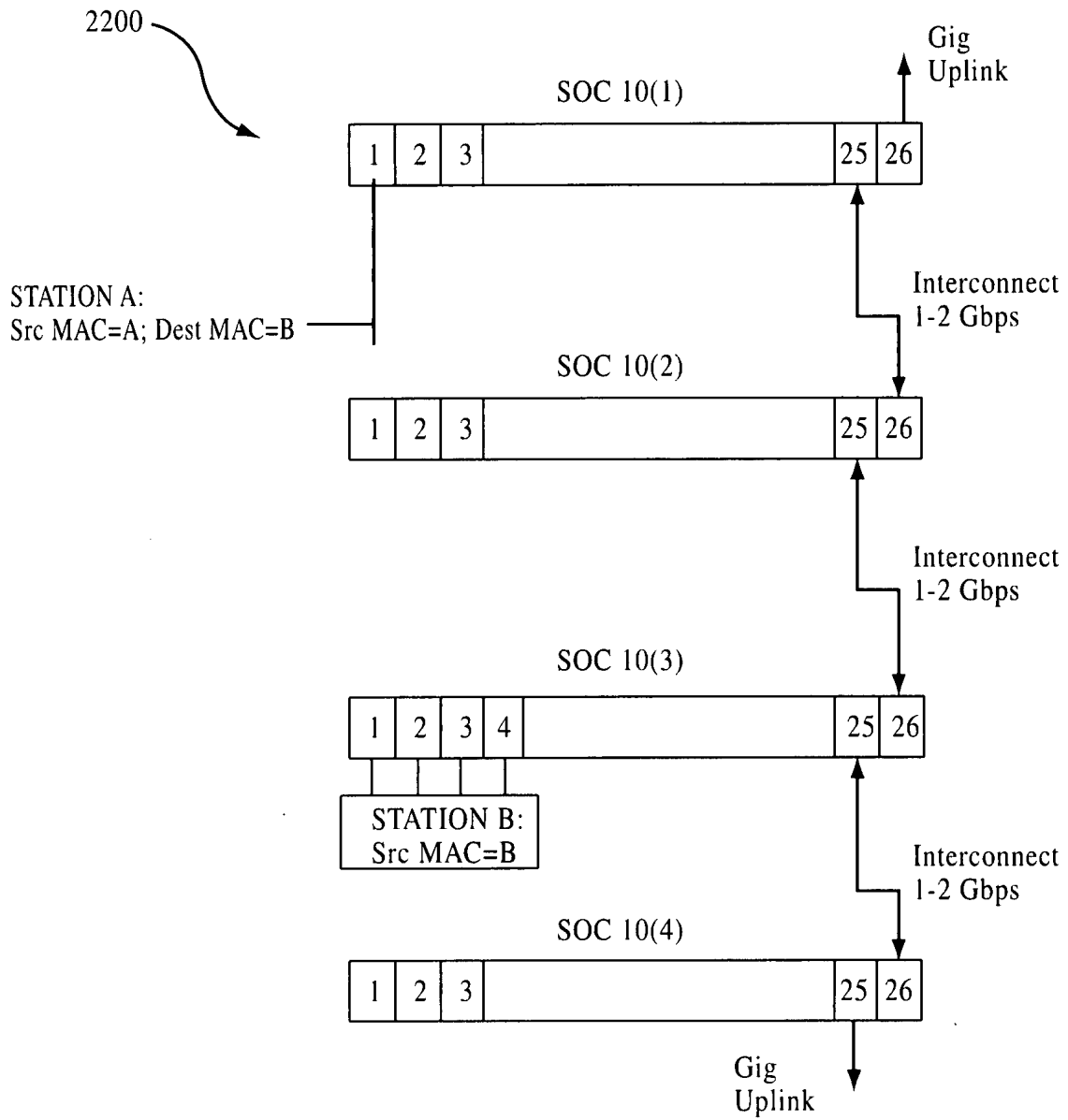


Fig.31



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Fig.32A

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
1	A	1	0	X	X
25	B	1	1	2	2

Fig.32B

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X
25	B	1	1	2	2

Fig.32C

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X
1	B	1	1	2	2

Fig.32D

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	0	X	X

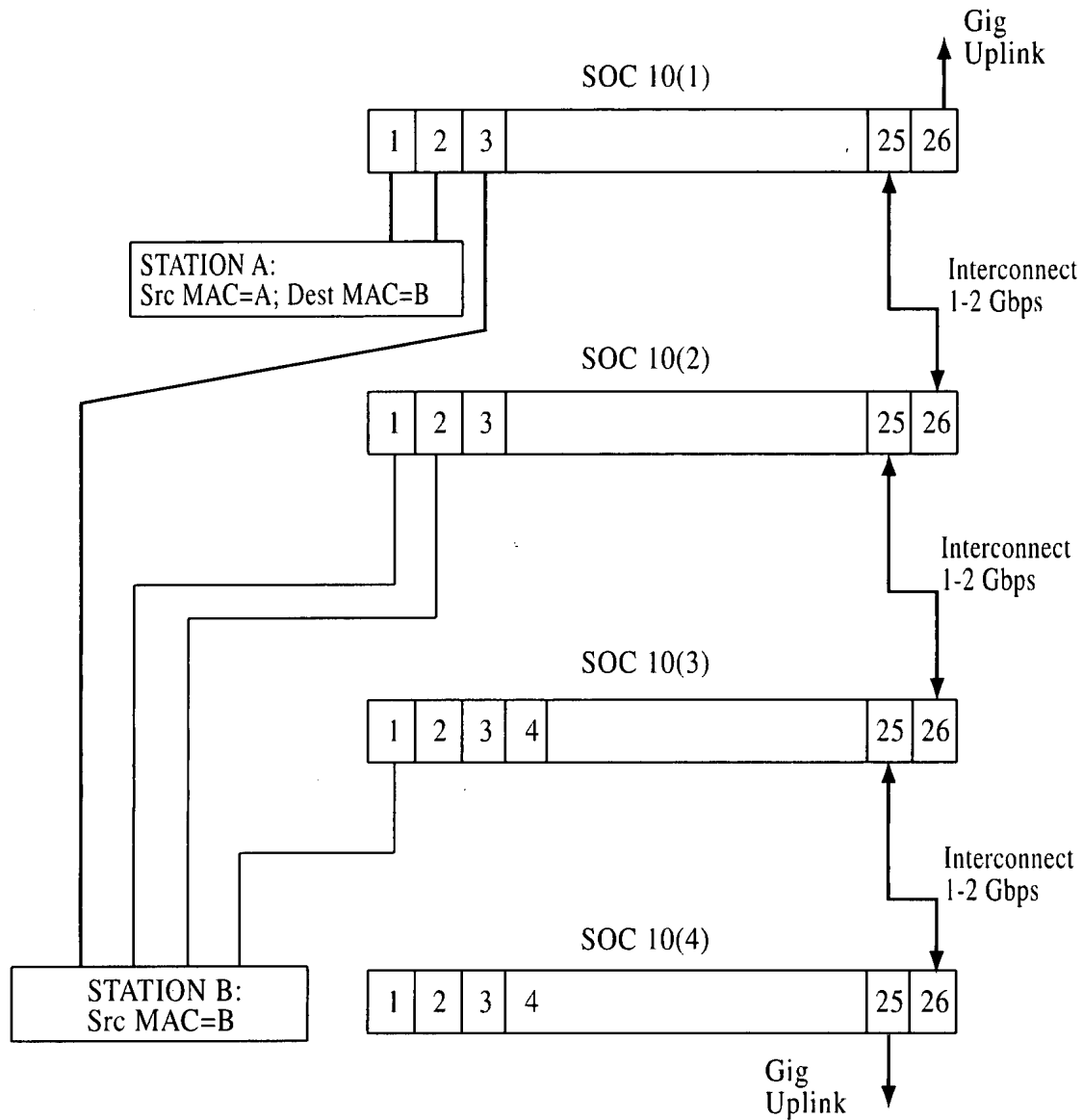


Fig.33



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Fig.34A

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
1	A	1	1	1	1
25	B	1	1	2	2

Fig.34B

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	1	1	1
25	B	1	1	2	2

Fig.34C

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	1	1	1
1	B	1	1	2	2

Fig.34D

PORT NUMBER	MAC ADDRESS	VLAN ID	T	TGID	RTAG
26	A	1	1	1	1

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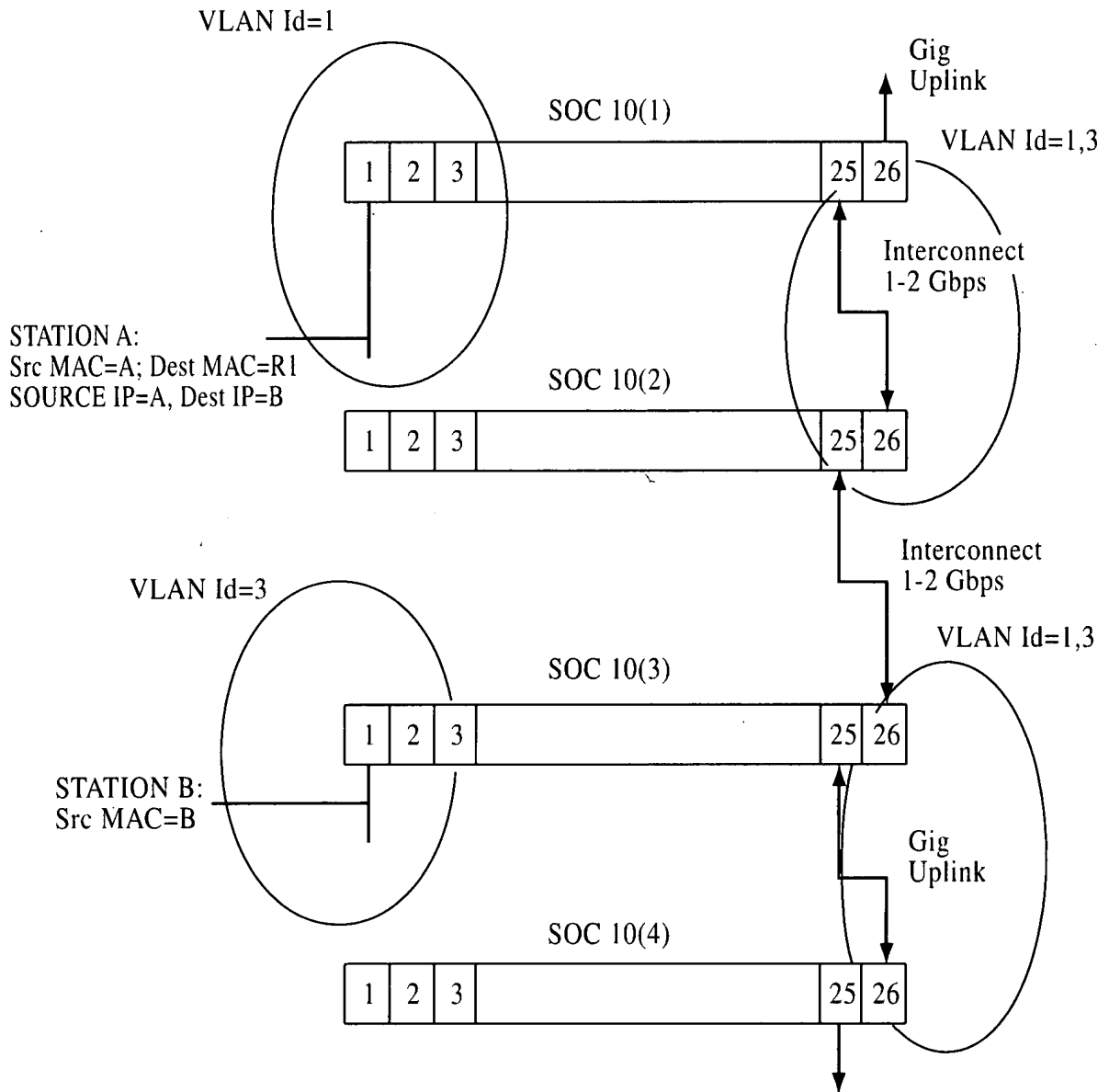


Fig.35



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Trunk Group Table for SW1:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
2	25	25	25	25	X	X	X	X	4

Trunk Group Table for SW2:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
2	25	25	25	25	X	X	X	X	4

Trunk Group Table for SW3:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
2	1	2	3	4	X	X	X	X	4

Trunk Group Table for SW4:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
2	26	26	26	26	X	X	X	X	4

Fig.36



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Trunk Group Table for SW1:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
1	1	2	X	X	X	X	X	X	2
2	25	25	25	3	X	X	X	X	4

Trunk Group Table for SW2:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
1	26	26	X	X	X	X	X	X	2
2	25	1	2	26	X	X	X	X	4

Trunk Group Table for SW3:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
1	26	26	X	X	X	X	X	X	2
2	1	26	26	26	X	X	X	X	4

Trunk Group Table for SW4:

TGID	TP0	TP1	TP2	TP3	TP4	TP5	TP6	TP7	TG Size
1	26	26	X	X	X	X	X	X	2
2	26	26	26	26	X	X	X	X	4

Fig.37

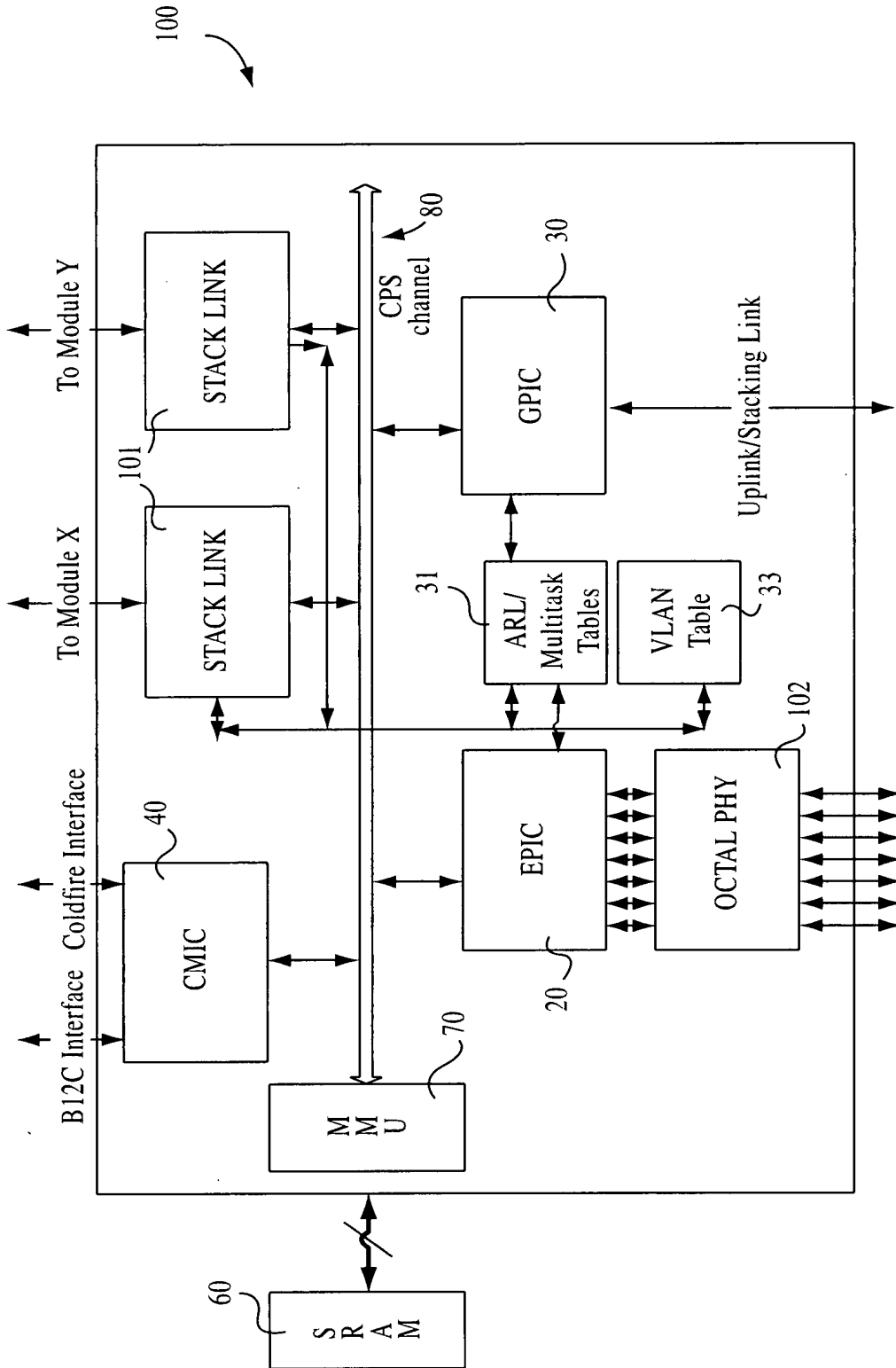


Fig.38



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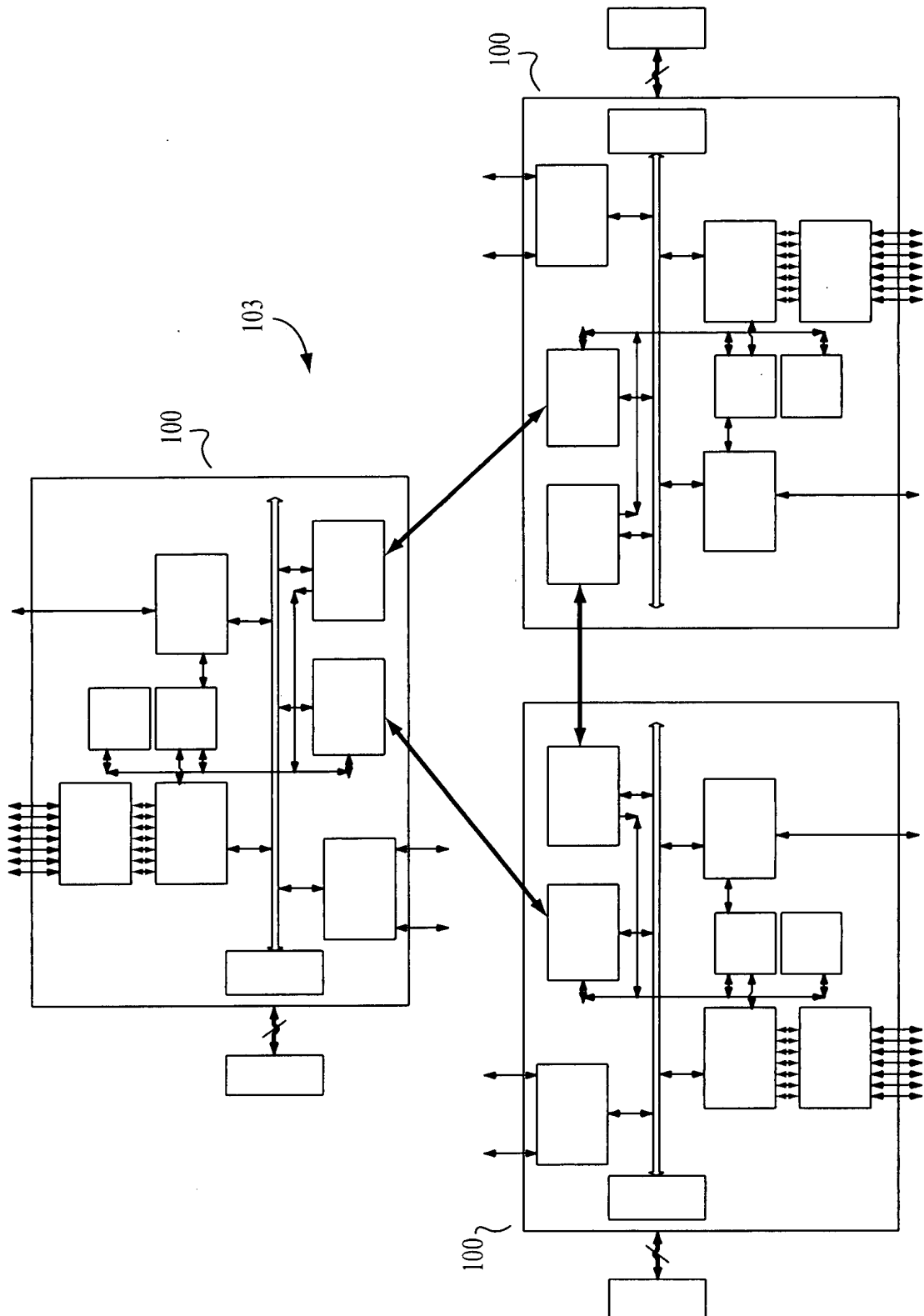


Fig.39



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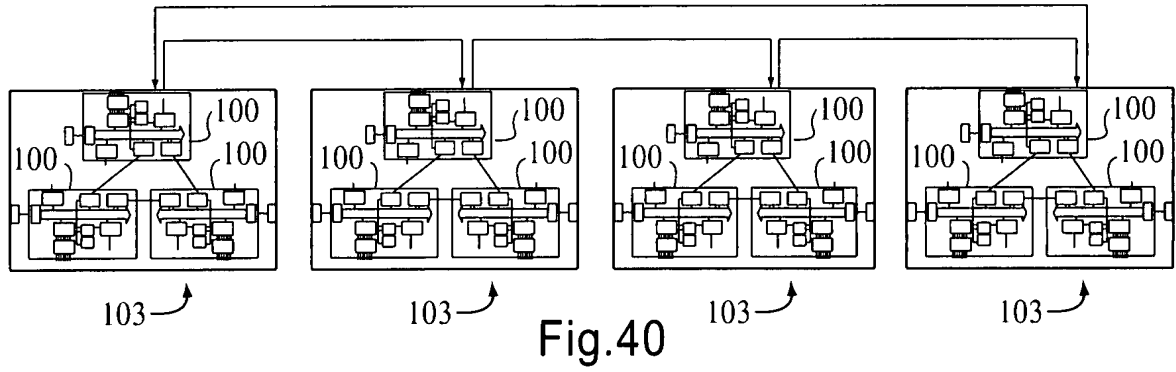


Fig. 40

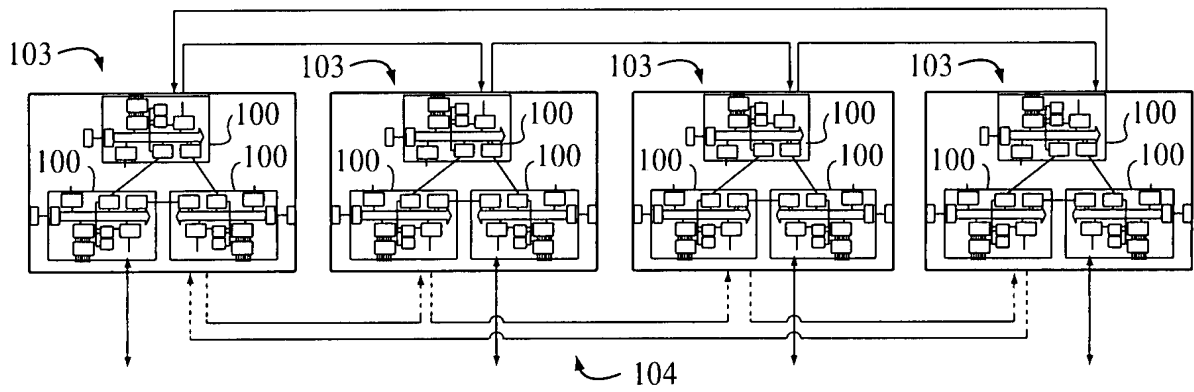


Fig. 41

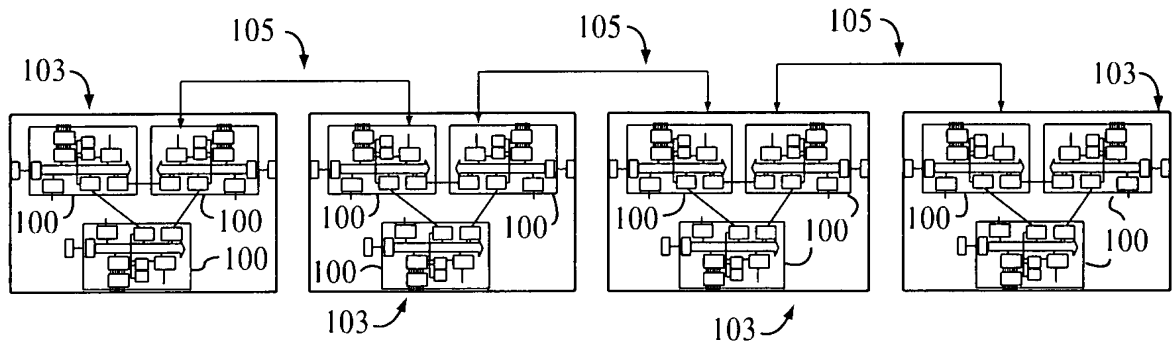


Fig. 42



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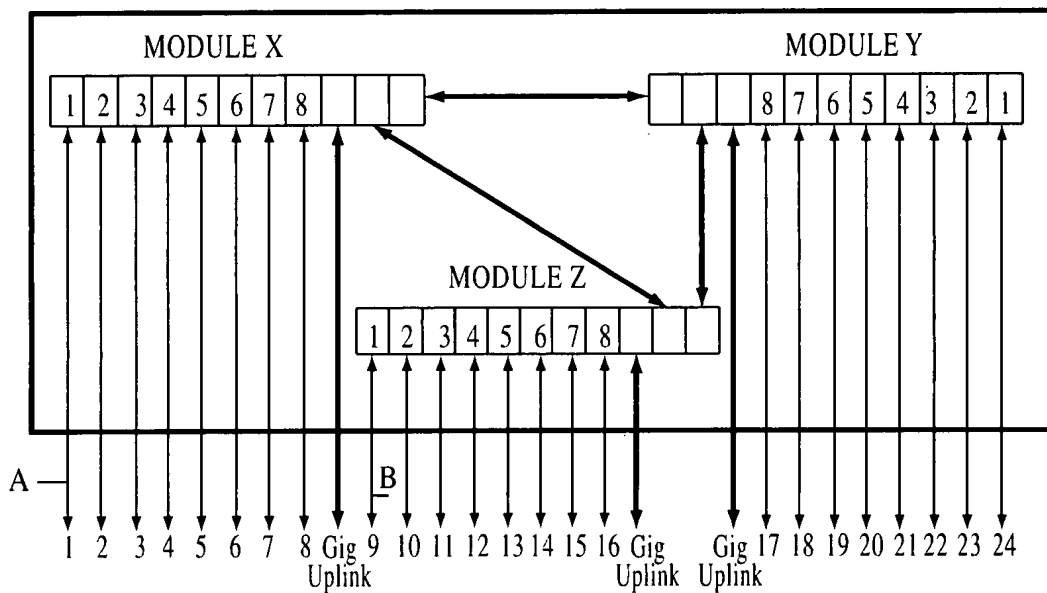


Fig.43

Table for Module X

Port Number	Mac Address	Vlan ID
1	A	1

TABLE A

Table for Module Y

Port Number	Mac Address	Vlan ID
G2	A	1

TABLE B

Table for Z

Port Number	Mac Address	Vlan ID
G2	A	1

TABLE C



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Port Number	Mac Address	Vlan ID
G2	A	1
9	B	1

TABLE A



Port Number	Mac Address	Vlan ID
1	A	1
G2	B	1

TABLE B



Fig.44

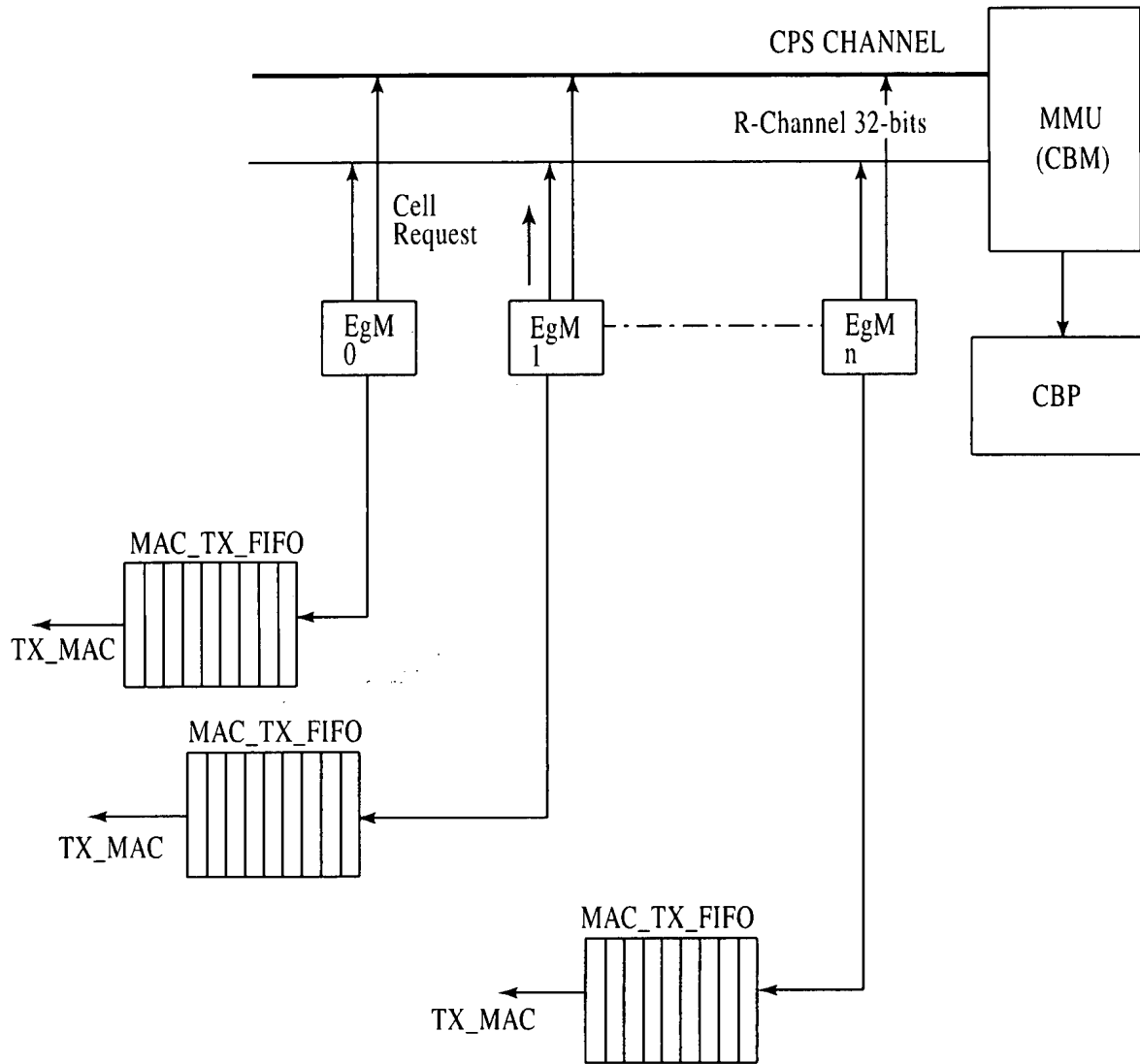


Fig.45